

PUMS Accuracy of the Data (2005)

1. INTRODUCTION

The 2005 PUMS data contain 1,259,653 housing unit records and 2,913,796 person records, which is many more records than in previous years. The increase in sample size reflects the ACS full implementation. For 2005, the ACS selected a sample in all counties across the nation, including all municipios in Puerto Rico. The tabulations prepared from the public use microdata sample (PUMS) are based on a subset of the 2005 American Community Survey (ACS) sample. Estimates from the ACS PUMS file are expected to be different from the previously released ACS estimates because they are subject to additional sampling error and further data processing operations. The additional sampling error is a result of selecting the PUMS housing and person records through an additional stage of sampling. In Public Use files of household surveys, the basic or elementary unit is an individual housing unit. The population sample is defined as all persons living in households selected in the housing unit sample. Note that microdata records in this sample do not contain names, addresses, or any information that can identify a specific housing unit or person.

2. CONFIDENTIALITY OF THE DATA

To maintain the confidentiality of the data required by law, the Census Bureau applies confidentiality edits to the ACS data to assure that published data do not disclose information about specific individuals, households, or housing units. As a result a small amount of uncertainty is introduced into the estimates of ACS characteristics. The confidentiality edits are controlled so that the basic structure and the usefulness of the data are preserved. The confidentiality edits are implemented by matching person records based on a few key characteristics and swapping their data. A larger subset of households is selected for the confidentiality edits for small areas to provide greater protection for these areas. The editing of the data is implemented in ways that maintain the quality and usefulness of the data.

Since microdata records are the actual housing unit and person records, the Census Bureau takes further steps to prevent the identification of specific individuals, households, or housing units. The main disclosure avoidance method used is to limit the geographic detail shown in the files. The smallest geographic unit that is identified is the 5% Public Use Microdata Area (PUMA). PUMAs were created for the Census 2000 5% PUMS data files. Each PUMA contains a minimum of 100,000 people. Maps for PUMAs can be found on the American Fact Finder website.

Other disclosure avoidance measures used include topcoding, age perturbation, and collapsing of detail for categorical variables.

3. SAMPLE DESIGN

The 2005 PUMS was designed to have a one-percent sample of the housing unit universe in the United States, District of Columbia, and Puerto Rico. For determining the PUMS sample size, the size of the housing unit universe is the ACS estimates of the total number of housing units. Table 1 below shows these estimates and the PUMS housing unit sample size.

Table 1. 2005 ACS Housing Unit Estimates and PUMS Sample Sizes

State	2005 ACS Housing Unit Estimate	2005 PUMS Sample Size	State	2005 ACS Housing Unit Estimate	2005 PUMS Sample Size
Alabama	2,082,140	20,822	Montana	428,357	4,284
Alaska	274,246	2,743	Nebraska	766,951	7,670
Arizona	2,544,806	25,449	Nevada	1,019,427	10,195
Arkansas	1,249,116	12,492	New Hampshire	583,324	5,834
California	12,989,254	129,893	New Jersey	3,443,981	34,440
Colorado	2,053,178	20,532	New Mexico	838,668	8,387
Connecticut	1,423,343	14,234	New York	7,853,020	78,531
Delaware	374,872	3,749	North Carolina	3,940,554	39,406
District of Columbia	277,775	2,778	North Dakota	304,458	3,045
Florida	8,256,847	82,569	Ohio	5,007,091	50,071
Georgia	3,771,466	37,715	Oklahoma	1,588,749	15,888
Hawaii	491,071	4,911	Oregon	1,558,421	15,585
Idaho	595,572	5,956	Pennsylvania	5,422,362	54,224
Illinois	5,144,623	51,447	Rhode Island	447,810	4,479
Indiana	2,724,429	27,245	South Carolina	1,927,864	19,279
Iowa	1,306,943	13,070	South Dakota	347,931	3,480
Kansas	1,196,211	11,963	Tennessee	2,637,441	26,375
Kentucky	1,865,516	18,656	Texas	9,026,011	90,261
Louisiana	1,940,399	19,404	Utah	873,097	8,731
Maine	683,799	6,838	Vermont	307,345	3,074
Maryland	2,273,793	22,738	Virginia	3,174,708	31,748
Massachusetts	2,688,014	26,881	Washington	2,651,645	26,517
Michigan	4,478,507	44,786	West Virginia	872,203	8,723
Minnesota	2,252,022	22,521	Wisconsin	2,498,500	24,985
Mississippi	1,235,496	12,355	Wyoming	235,721	2,358
Missouri	2,592,809	25,929	Puerto Rico	1,440,683	14,407

The PUMS sample was selected using a systematic sampling method with sampling intervals chosen to yield the sample sizes that are given in Table 1 for each state. The sampling interval for each state is the ratio of the number of housing unit records available for sampling and the required sample size (sampling intervals are not rounded to integers). The sampling is performed on the ACS housing unit sample. All persons in housing units selected for PUMS are included in the PUMS person sample.

The sampling of housing units was performed as follows.

1. The housing units were sorted by ACS estimation area, *PUMA*, interview mode, tenure, building type, household type, race and Hispanic origin of the householder, age of the householder, county, tract, and housing unit weight.
2. A random number between zero and the sampling interval was chosen to initialize a counter.
3. At each record, the value of the counter is incremented by one and compared to the sampling interval.
 - a. If the counter's new value is greater than the sampling interval, the record is selected for the PUMS. The counter is decreased by the sampling interval with the new value passed to the next record.
 - b. If the counter is less than the sampling interval, the record is not selected for the PUMS and the value of the counter is passed to the next record without altering its value.

4. ERRORS IN THE DATA

4.1 Sampling Error

The data in the ACS products are estimates of the actual figures that would have been obtained by interviewing the entire population using the same methodology. The estimates from the chosen sample also differ from other samples of housing units and persons within those housing units. Sampling error in data arises due to the use of probability sampling, which is necessary to ensure the integrity and representativeness of sample survey results. The implementation of statistical sampling procedures provides the basis for the statistical analysis of sample data.

Estimates made with PUMS data are subject to additional sampling error because the PUMS data consists of a subset of the full ACS sample. Thus standard errors of PUMS estimates can be larger than standard errors that would be obtained using all of the ACS data.

4.2 Nonsampling Error

In addition to sampling error, data users should realize that other types of errors may be introduced during any of the various complex operations used to collect and process survey data. For example, operations such as editing, reviewing, or keying data from questionnaires may introduce error into the estimates. These and other sources of error contribute to the nonsampling error component of the total error of survey estimates. Nonsampling errors may affect the data in two ways. Errors that are introduced randomly increase the variability of the data. Systematic errors that are consistent in one direction introduce bias into the results of a sample survey. The Census Bureau protects against the effect of systematic errors on survey estimates by conducting extensive research and evaluation

programs on sampling techniques, questionnaire design, and data collection and processing procedures. In addition, an important goal of the ACS is to minimize the amount of nonsampling error introduced through nonresponse for sample housing units. One way of accomplishing this is by following up on mail nonrespondents during the CATI and CAPI phases. More information about the control of nonsampling error can be found in references [1] and [2].

5. WEIGHTING AND ESTIMATION

5.1 Weighting

Weights for PUMS records are calculated by simply multiplying the record's original final weight by the PUMS sampling interval for the state that the record belongs to. This is essentially applying an additional subsampling factor, where the factor is equal to the sampling interval if the record is selected for PUMS, and zero otherwise. Both housing unit and person weights are multiplied by the sampling interval to get a PUMS weight.

This additional sampling causes PUMS estimates to be different from published ACS estimates that are based on the full set of data. This includes estimates for the total population and total housing units. There is no further weighting adjustment to make these estimates equal to the Census Bureau's Intercensal Population Estimates.

See Reference [1] for a detailed description of how the original ACS weights are computed.

5.2 Estimation

To produce estimates or tabulations of characteristics from the PUMS, simply add the weights of all persons or housing units that possess the characteristic of interest. For instance, if the characteristic of interest is "total number of black teachers", simply determine the race and occupation of all persons and cumulate the weights of those who match the characteristics of interest. To get estimates of proportions simply divide the weighted estimate of persons or housing units with a given characteristic by the weighted estimate of the base. For example, the proportion of "black teachers" is obtained by dividing the weighted estimate of black teachers by the estimate of teachers.

6. CALCULATION OF STANDARD ERRORS

The standard error is a measure of the deviation of a sample estimate from the average of all possible samples. Sampling error and some types of nonsampling error are estimated by the standard error. The sample estimate and its estimated standard error permit the construction of interval estimates with a prescribed confidence that the interval includes the average result of all possible samples.

Two methods are provided for calculating the standard errors of PUMS estimates: generalized standard errors and through the use of replicate weights. Generalized standard errors is the method used by the Census PUMS and also in use by the ACS since 2000. Replicate weights are being provided with the 2005 PUMS for the first time. **It is important to keep in mind that there will be differences between the standard error approximations computed by the two methods.** Generally, using the replicate weights will produce a more accurate estimate of a standard error.

A sample estimate and its estimated standard error may be used to construct confidence intervals about the estimate. These intervals are ranges that will contain the average value of the estimated characteristic that results over all possible samples, with a known probability. For example, if all possible samples that could result under the ACS PUMS sample design were independently selected and surveyed under the same conditions, and if the estimate and its estimated standard error were calculated for each of these samples, then:

1. Approximately 68 percent of the intervals from one estimated standard error below the estimate to one estimated standard error above the estimate would contain the average result from all possible samples;
2. Approximately 90 percent of the intervals from 1.65 times the estimated standard error below the estimate to 1.65 times the estimated standard error above the estimate would contain the average result from all possible samples.
3. Approximately 95 percent of the intervals from two estimated standard errors below the estimate to two estimated standard errors above the estimate would contain the average result from all possible samples.

These intervals are referred to as 68 percent, 90 percent, and 95 percent confidence intervals, respectively. The lower and upper bounds presented in the ACS summary tables and profiles are the bounds based upon a 90% confidence interval.

The user should be careful when computing and interpreting confidence intervals.

1. The estimated standard errors included in this data product do not include all portions of the variability due to nonsampling error that may be present in the data. In particular, the standard errors do not reflect the effect of correlated errors introduced by interviewers, coders, or other field or processing personnel. Thus, the standard errors calculated represent a lower bound of the total error. As a result, confidence intervals formed using these estimated standard errors may not meet the stated levels of confidence (i.e., 68, 90, or 95 percent). Thus, some care must be exercised in the interpretation of the data in this data product based on the estimated standard errors.
2. Zero or small estimates; very large estimates -- The value of almost all ACS characteristics is greater than or equal to zero by definition. The methods given here for calculating confidence intervals rely on large sample theory. For small or zero estimates, these methods may result in negative values which for most characteristics are not admissible. In this case, the lower limit of the confidence interval should be set to zero by default. A similar caution holds for estimates of totals close to a control total or estimated proportions near one, where the upper limit of the confidence interval should be set to its largest admissible value. In these situations the level of confidence of the adjusted range of values is less than the prescribed confidence level.

6.1 Generalized Standard Errors

There are three generalized variance procedures used to calculate standard errors for PUMS data based on the type of estimate. For most sample estimates of *totals* and *proportions (percentages)* we use a design factor approach; for sample estimates of *aggregates*, we use a method we refer to as a, b, & c parameters; and for sample estimates of *means, medians, per capita amounts, and ratios (other than proportions)* we use a method we refer to as a & b parameters.

NOTE: The design factors and parameters given for generalized standard errors are based on preliminary results and subject to change.

Design Factor Method

The design factors provided in Tables 2 through 2.52 in the appendix can be used to approximate the standard errors of most sample estimates of *totals* and *proportions*. Design factors are given by subject for the United States, all 50 states, the District of Columbia, and Puerto Rico. The term "subject" refers to a characteristic, such as age for persons and tenure for housing units. The design factors reflect the effects of the actual sample design and estimation procedures used for the ACS. To approximate the standard error use the following formulas:

$$\text{Total Formula: } SE(\hat{Y}) \doteq 1.6 * DF * \sqrt{\frac{97.5}{2.5} * \hat{Y} \left(1 - \frac{\hat{Y}}{N}\right)}$$

Where:

DF = Design Factor

N = Size of Geographic Area

Y = Estimate of Characteristic Total

$$\text{Percent Formula: } SE(\hat{p}) \doteq 1.6 * DF * \sqrt{\frac{97.5}{2.5 * B} * \hat{p}(100 - \hat{p})}$$

Where:

DF = Design Factor

B = Base of Estimated Percentage

\hat{p} = Estimated Percentage

The values of N, B, and the design factor can be determined as follows:

1. Obtain the number of persons, number of households or number of housing units, respectively for the geography(ies) you are interested in. If the estimate is of housing units then use the number of housing units; if the estimates is of families or households then use the number of households; otherwise use the number of persons.
2. Select the appropriate table from Tables 2 through 2.52. Use the table for the United States (Table 2) when estimating characteristics for the United States or geographic areas that cover more than one state. Use the table for a specific state (Tables 2.1-2.52) when

estimating characteristics for that state or geographic areas that are contained entirely within that state.

3. Use Tables 2 through 2.52 to obtain the appropriate design factor for the characteristic; for example, educational attainment or ancestry. If the estimate is a combination of two or more characteristics, then use the largest design factor for this combination of characteristics. **The only exception to this is for items crossed with race or Hispanic Origin, for an item(s) crossed with race or Hispanic Origin use the largest design factor not including the race or Hispanic Origin design factor.**

An inspection of the formulas used to calculate the simple random sampling standard errors suggests that when dealing with zero estimates or very small estimates of totals and percentages the standard error estimates approach zero. This is also the case for very large estimates of totals and percentages. Zero or small estimates, like any other sample estimates, are still subject to sampling variability and therefore an estimated standard error of zero or close to zero is not adequate. Use one of the following procedures for estimates of this type:

1. **An estimated total is less than 425 or within 425 of the total size of the tabulation area.** Use a basic standard error of 246. For estimated percentages that are less than 2 or greater than 98, use a value of 2 for in the formula below
2. **The denominator of a percentage is zero.** There are no sample observations available to compute an estimate of a proportion or an estimate of its standard error.

a, b, & c Parameter Method

The information provided in Tables 3 through 3.52 can be used to approximate the standard errors for estimates of *aggregates*. The values of a, b, and c are given by subject for the United States, all 50 states, the District of Columbia, and Puerto Rico. Use Tables 3 through 3.52 to obtain the appropriate a, b, & c parameters for the characteristic; for example, aggregate person income. Use the table for the United States (Table 3) when estimating characteristics for the United States or geographic areas that cover more than one state. Use the table for a specific state (Tables 3.1-3.52) when estimating characteristics for that state or geographic areas that are contained entirely within that state.

To approximate the standard error use the following formula:

$$se(estimate) \doteq 1.6 * \sqrt{a + b * estimate + c * estimate^2}$$

The a, b, & c parameter method can also be used to estimate standard errors for the estimates of *total population* and *total housing units* in a geographic area. In these cases, modify the above formula as follows:

$$se(estimate) \doteq \sqrt{a + b * LOG(estimate) + c * (LOG(estimate))^2}$$

Where LOG is the natural logarithm function. Also note that the factor 1.6 is eliminated. **Note:** The standard errors of the 2005 PUMS estimates for total population and total housing units in the United States are 246,6567 and 90,384 respectively. Use the parameters in Table 3 (United States)

when estimating the total population or total housing units for geographic areas that cover more than one state.

a & b Parameter Method

The information provided in Tables 4 through 4.52 can be used to approximate the standard errors for estimates of *means, medians, per capita amounts, and ratios (other than proportions)*. The values of a and b are given by subject for the United States, all 50 states, the District of Columbia, and Puerto Rico. Use Tables 4 through 4.52 to obtain the appropriate a & b parameters for the characteristic; for example, mean family income or median value. Use the table for the United States (Table 4) when estimating characteristics for the United States or geographic areas that cover more than one state. Use the table for a specific state (Tables 4.1-4.52) when estimating characteristics for that state or geographic areas that are contained entirely within that state. To approximate the standard error use the following formula:

$$se(estimate) \doteq 1.6 * \sqrt{a + b * \text{Log}(N)}$$

Where: LOG is the natural log function and N is the universe count for medians, or the denominator of the estimate for means, per capita amounts and ratios for the geography(ies) you are interested in.

Exception: The exception to the above method is when the denominator of a mean, per capita amount, or other ratio is zero. There are no sample observations available to compute an estimate or an estimate of its standard error.

Examples of Standard Error Calculations using Generalized Standard Error Formulas

We will present some examples based on the 2005 PUMS data to demonstrate the use of the generalized standard error formulas.

Example 1 – Using Design Factors to Estimate a Total

The estimated number of people 15 years or over who were never married is 1,575,385 from the PUMS data for the state of Virginia. To calculate the standard error, we use the total formula given in the section for Design Factor Method. In this formula, Y is our estimate of 1,575,385 and N is the total PUMS population for the state of Virginia, which is 7,320,848. The design factor (from Table 2.47) for “Marital Status” is 1.3.

$$SE = 1.6 * 1.3 * \sqrt{\frac{97.5}{2.5} * 1,575,385 * \left(1 - \frac{1,575,385}{7,320,848}\right)} = 14,443$$

To calculate the lower and upper bounds of the 90 percent confidence interval around 1,575,385 using the standard error, simply multiply 14,443 by 1.645, then add and subtract the product from 1,575,385. Thus the 90 percent confidence interval for this estimate is [1,575,385 - 1.645(14,443)] to [1,575,385 + 1.645(14,443)] or 1,551,626 to 1,599,144.

Example 2 – Using Design Factors to Estimate a Proportion or Percentage

The estimated percent of people 25 years or over with a bachelor's degree or higher in Louisiana is 20.7 from the PUMS data and the base of the estimated percentage is 2,789,901. To calculate the standard error, we use the percent formula given in the Design Factor Method section. The design factor (from Table 2.19) for "Educational Attainment" is 1.5.

$$SE = 1.6 * 1.5 * \sqrt{\frac{97.5}{2.5 * 2,739,784} * 20.7 * (100 - 20.7)} = 0.4$$

To calculate the lower and upper bounds of the 90 percent confidence interval around 20.7 percent using the standard error, simply multiply 0.4 by 1.645, then add and subtract the product from 20.7. Thus the 90 percent confidence interval for this estimated percentage is [20.7 - 1.645(0.4)] to [20.7 + 1.645(0.4)] or 20.1 to 21.3.

Example 3 – Using a & b Parameters to Estimate a Ratio

The estimated average household size is 2.42 from the PUMS data for Vermont. To calculate the standard error, we use the formula given in the a & b Parameter Method section. The parameters a and b (from Table 4.46) for "Average Household Size" are: 0.013386 and -0.001065, respectively. In this formula, N (the number of households) is determined from the PUMS data for Vermont to be 251,604.

$$SE = 1.6 * \sqrt{0.013386 - 0.001065 * LOG(251,604)} = .02$$

To calculate the lower and upper bounds of the 90 percent confidence interval around 2.42 using the standard error, simply multiply 0.02 by 1.645, then add and subtract the product from 2.42. Thus the 90 percent confidence interval for this estimate is [2.42 - 1.645(0.02)] to [2.42 + 1.645(0.02)] or 2.39 to 2.45.

Example 4 – Using a, b, & c Parameters to Estimate an Aggregate

The estimated aggregate household income in 2005 inflation-adjusted dollars is 239,523,262,992 from the PUMS data for Michigan. To determine the standard error, we use the formula given in the a, b, & c Parameter Method section. The parameters a, b, and c (from Table 3) for "Aggregate Household Income" are: 4100; 6,119,823.6777; and -0.000002; respectively.

$$SE = 1.6 * \sqrt{4,100 + 6,119,823.6777 * 239,523,262,992 - 0.000002 * 239,523,262,992^2}$$

$$= 1,859,787,411$$

To calculate the lower and upper bounds of the 90 percent confidence interval around 239,523,262,992 using the standard error, simply multiply 1,859,787,411 by 1.645, then add and subtract the product from 239,523,262,992. Thus the 90 percent confidence interval for this estimate is [239,523,262,992 - 1.645(1,859,787,411)] to [239,523,262,992 + 1.645(1,859,787,411)] or 236,463,912,701 to 424,582,613,283.

6.2 Calculating Standard Errors with Replicate Weights

Replicate weights are being provided with the 2005 PUMS files for the first time. Replicate weights can be used to calculate what we refer to as direct standard errors. Standard errors for the published ACS tabulations are calculated using replicate weights. Direct standard errors will often be more accurate than generalized standard errors, although may be more inconvenient for some users to calculate. The advantage of using replicate weights is that a single formula is used to calculate the standard error of many types of estimates.

Each housing unit and person record contains 80 replicate weights. For any estimate X , 80 replicate estimates are also computed using the replicate weights. For this discussion, we refer to X as the ‘full sample estimate.’ The first replicate estimate X_1 is computed using the first replicate weight, the second replicate estimate X_2 is computed using the second replicate weight, and so on. Each replicate estimate is computed using the replicate weights in the same way that the full sample estimate X is computed, as described in Section 5.

The standard error of X can be computed after the replicate estimates X_1 through X_{80} are computed. The standard error is estimated using the sum of squared differences between each replicate estimate X_r and the full sample estimate X . The standard error formula is:

$$SE(X) = \sqrt{\frac{4}{80} \sum_{r=1}^{80} (X_r - X)^2}$$

7. WORKING WITH DOLLAR AMOUNTS

When working with dollar amounts, it is necessary to apply an adjustment factor. The factor is included in the PUMS datasets and is called ADJUST. The reason this adjustment is needed is because interviews in the ACS were conducted throughout the year. Application of the adjustment factor will convert dollar amounts to July 2005 dollars. Note that the value of ADJUST is the same for all sample cases (its value for 2005 is 1019190, which is read as 1.019190). This is for disclosure avoidance reasons, that is, so that the month of interview cannot be identified by the adjustment factor. The original dollar amounts were adjusted so that one value of ADJUST could be used for all sample cases.

When working with dollar amounts from different years, it is necessary to convert the amounts into dollars from a common year (after applying the adjustment factor described in the previous paragraph). We use the CPI-U-RS adjustment factors from the Bureau of Labor Statistics. These factors can be found at the following URL: <http://www.bls.gov/cpi/cpiurstx.htm>. [For example, to express year 2000 dollars in terms of 2005 dollars, multiply the 2000 dollars by $284.3/250.8 = 1.13357257$].

8. REFERENCES

[1]. Technical Paper 67 – Design and Methodology of the ACS
<http://www.census.gov/acs/www/Downloads/tp67.pdf>

[2]. ACS Accuracy of the Data (2005)
<http://www.census.gov/acs/www/Downloads/ACS/accuracy2005.pdf>

Table 2. Design Factors for Calculating PUMS Standard Errors – United States

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.4
Population in Families	4.1
Age	1.1
Sex	1.1
Population of One Race	8.4
Population of Two or More Races	2.3
White Alone	2.5
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	2.5
Marital Status	1.7
Relationship	1.7
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.5
Language Spoken at Home and Ability to Speak English	1.8
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.0
School Enrollment, Level of School, and Type of School	1.4
Educational Attainment	1.6
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.4
Disability Status	1.2
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	2.0
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.9
Age of Own Children by Living Arrangements and Employment Status of Parents	1.9
Age of Householder	1.7
Race of Householder	1.5
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	3.0
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	3.5
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	2.0
Vacant	2.2
Rooms and Bedrooms	1.7
Occupants per Room	1.8
Units in Structure	1.8
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	2.0
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.5
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.9
Value	1.5
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	2.0

Table 2.1. Design Factors for Calculating PUMS Standard Errors – Alabama

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	1.7
Population by Tenure	3.0
Population in Families	3.8
Age	1.1
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.9
White Alone	2.5
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	1.5
Hispanic or Latino	2.1
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.3
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.7
Place of Birth, Year of Entry, and Citizenship Status	2.0
Residence 1 Year Ago	3.0
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.7
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.2
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.8
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	2.4
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.8
Vacant	1.9
Rooms and Bedrooms	1.6
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.8
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.0
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.8
Value	1.4
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.2. Design Factors for Calculating PUMS Standard Errors – Alaska

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.6
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.5
Population in Families	4.2
Age	1.3
Sex	1.6
Population of One Race	6.6
Population of Two or More Races	1.9
White Alone	3.4
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	1.4
Hispanic or Latino	2.1
Not Hispanic or Latino	2.7
Marital Status	1.4
Relationship	1.2
Ancestry	2.0
Grandparents Responsible for Grandchildren	1.5
Number of Women Who Had a Birth in the Past 12 Months	1.5
Language Spoken at Home and Ability to Speak English	1.7
Linguistic Isolation	1.3
Place of Birth, Year of Entry, and Citizenship Status	1.6
Residence 1 Year Ago	2.5
School Enrollment, Level of School, and Type of School	1.4
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.4
Travel Time to Work	1.5
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.5
Private Vehicle Occupancy	1.6
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.4
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.6
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.4
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.4
Person Earnings/Income	1.4
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.4
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.2
HOUSING	
Households/Occupied Housing Units	2.4
Family Type, Household Type, and Household Size	1.5
Households by Presence of Nonrelatives	1.8
Unmarried Partner Households	1.5
Tenure	1.4
Vacant	1.1
Rooms and Bedrooms	1.4
Occupants per Room	1.3
Units in Structure	1.4
Year Structure Built and Year Householder Moved Into Unit	1.4
House Heating Fuel	1.2
Telephone Service Available	1.4
Vehicles Available	1.4
Plumbing Facilities and Kitchen Facilities	1.2
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.5
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.5
Value	1.3
Mortgage Status and Selected Monthly Owner Costs	1.2
Selected Physical and Financial Conditions	1.4

Table 2.3. Design Factors for Calculating PUMS Standard Errors – Arizona

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.4
Population in Families	4.2
Age	1.2
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	2.2
White Alone	3.4
Black or African American Alone	1.1
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	2.5
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.5
Language Spoken at Home and Ability to Speak English	2.1
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.2
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.2
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.8
Means of Transportation to Work	1.7
Place of Work	2.0
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	2.0
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.9
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	2.5
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.8
Vacant	1.9
Rooms and Bedrooms	1.6
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.8
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.4
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.7
Inclusion of Utilities in Rent	1.8
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.4. Design Factors for Calculating PUMS Standard Errors – Arkansas

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	1.8
Population by Tenure	3.1
Population in Families	3.8
Age	1.1
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	2.1
White Alone	2.5
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.0
Hispanic or Latino	2.0
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.7
Number of Women Who Had a Birth in the Past 12 Months	1.1
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.7
Place of Birth, Year of Entry, and Citizenship Status	1.8
Residence 1 Year Ago	2.7
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.4
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.5
Travel Time to Work	1.7
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.6
Private Vehicle Occupancy	1.6
Work Experience, Hours Worked per Week, and Weeks Worked	1.3

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.5
Person Earnings/Income	1.5
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.6
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.5
HOUSING	
Households/Occupied Housing Units	2.4
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.6
Vacant	1.9
Rooms and Bedrooms	1.6
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.5
House Heating Fuel	1.5
Telephone Service Available	1.6
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.0
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.7
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.7
Value	1.4
Mortgage Status and Selected Monthly Owner Costs	1.4
Selected Physical and Financial Conditions	1.6

Table 2.5. Design Factors for Calculating PUMS Standard Errors – California

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.4
Population in Families	4.2
Age	1.3
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	2.2
White Alone	3.3
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.8
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	0.9
Language Spoken at Home and Ability to Speak English	2.4
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.2
School Enrollment, Level of School, and Type of School	1.4
Educational Attainment	1.5
Armed Forces Status and Veteran Status	0.7
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.8
Means of Transportation to Work	1.7
Place of Work	2.2
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.7
Type of Household Income	1.3
Poverty Status (Persons)	2.3
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.9
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	3.5
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.8
Vacant	1.9
Rooms and Bedrooms	1.6
Occupants per Room	1.7
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.8
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.4
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.8
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.6. Design Factors for Calculating PUMS Standard Errors – Colorado

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.1
Population in Families	3.8
Age	1.1
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	2.0
White Alone	4.6
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	2.8
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.5
Language Spoken at Home and Ability to Speak English	1.7
Linguistic Isolation	1.7
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.2
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.2
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.8
Means of Transportation to Work	1.7
Place of Work	1.7
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.8
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	3.2
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.7
Vacant	1.9
Rooms and Bedrooms	1.7
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.8
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.3
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.8
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.7. Design Factors for Calculating PUMS Standard Errors – Connecticut

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.1
Population in Families	4.2
Age	1.2
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	2.1
White Alone	3.4
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	3.4
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	0.9
Language Spoken at Home and Ability to Speak English	1.9
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.2
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	0.7
Period of Military Service	1.5
Disability Status	1.4
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.7
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.5
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.9
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	3.2
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.7
Vacant	1.9
Rooms and Bedrooms	1.6
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.8
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.4
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.8
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.8. Design Factors for Calculating PUMS Standard Errors – Delaware

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.6
Population in Households by Race/Hispanic Origin of Householder	1.8
Population by Tenure	2.8
Population in Families	4.2
Age	1.2
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.8
White Alone	3.3
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	1.8
Hispanic or Latino	2.4
Not Hispanic or Latino	2.7
Marital Status	1.4
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.2
Language Spoken at Home and Ability to Speak English	1.7
Linguistic Isolation	1.4
Place of Birth, Year of Entry, and Citizenship Status	2.0
Residence 1 Year Ago	2.9
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.3
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.6
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.6
Private Vehicle Occupancy	1.6
Work Experience, Hours Worked per Week, and Weeks Worked	1.3

Number of Workers in Family	1.4
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.3
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.4
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.5
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.6
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.4
HOUSING	
Households/Occupied Housing Units	2.5
Family Type, Household Type, and Household Size	1.5
Households by Presence of Nonrelatives	1.9
Unmarried Partner Households	1.6
Tenure	1.4
Vacant	1.3
Rooms and Bedrooms	1.4
Occupants per Room	1.4
Units in Structure	1.4
Year Structure Built and Year Householder Moved Into Unit	1.4
House Heating Fuel	1.5
Telephone Service Available	1.5
Vehicles Available	1.4
Plumbing Facilities and Kitchen Facilities	1.5
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.6
Meals Included in Rent	1.5
Inclusion of Utilities in Rent	1.5
Value	1.3
Mortgage Status and Selected Monthly Owner Costs	1.3
Selected Physical and Financial Conditions	1.5

Table 2.9. Design Factors for Calculating PUMS Standard Errors – District of Columbia

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	1.6
Population by Tenure	2.6
Population in Families	2.5
Age	1.1
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	2.2
White Alone	1.3
Black or African American Alone	1.5
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.0
Hispanic or Latino	2.4
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	1.8
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	0.9
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	1.9
Residence 1 Year Ago	2.8
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.1
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.7
Means of Transportation to Work	1.7
Place of Work	1.5
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.6
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.4
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.7
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.5
HOUSING	
Households/Occupied Housing Units	2.5
Family Type, Household Type, and Household Size	1.6
Households by Presence of Nonrelatives	2.1
Unmarried Partner Households	1.5
Tenure	1.5
Vacant	1.8
Rooms and Bedrooms	1.5
Occupants per Room	1.8
Units in Structure	1.5
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.5
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.4
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.7
Meals Included in Rent	1.5
Inclusion of Utilities in Rent	1.5
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.3
Selected Physical and Financial Conditions	1.5

Table 2.10. Design Factors for Calculating PUMS Standard Errors – Florida

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.4
Population in Families	3.8
Age	1.1
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	2.2
White Alone	3.3
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	3.2
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	0.9
Language Spoken at Home and Ability to Speak English	1.7
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.2
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	0.7
Period of Military Service	1.5
Disability Status	1.2
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.8
Means of Transportation to Work	1.7
Place of Work	2.0
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	2.0
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.9
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	2.4
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.8
Vacant	1.9
Rooms and Bedrooms	1.6
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.8
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.4
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.8
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.11. Design Factors for Calculating PUMS Standard Errors – Georgia

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.4
Population in Families	3.8
Age	1.1
Sex	1.5
Population of One Race	10.1
Population of Two or More Races	2.2
White Alone	2.1
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.5
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.2
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.2
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.8
Means of Transportation to Work	1.7
Place of Work	1.8
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.4
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.9
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	2.4
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.8
Vacant	1.9
Rooms and Bedrooms	1.7
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.8
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.4
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.8
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.12. Design Factors for Calculating PUMS Standard Errors – Hawaii

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.0
Population in Families	4.2
Age	1.3
Sex	1.6
Population of One Race	3.5
Population of Two or More Races	2.3
White Alone	2.1
Black or African American Alone	1.7
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.0
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	0.9
Language Spoken at Home and Ability to Speak English	1.8
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.1
School Enrollment, Level of School, and Type of School	1.4
Educational Attainment	1.5
Armed Forces Status and Veteran Status	0.7
Period of Military Service	1.5
Disability Status	1.2
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.7
Means of Transportation to Work	1.7
Place of Work	1.7
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.5
Household, Family, or Nonfamily Income	1.5
Person Earnings/Income	1.6
Type of Household Income	1.5
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.9
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.6
HOUSING	
Households/Occupied Housing Units	2.5
Family Type, Household Type, and Household Size	1.6
Households by Presence of Nonrelatives	2.1
Unmarried Partner Households	1.6
Tenure	1.5
Vacant	1.6
Rooms and Bedrooms	1.5
Occupants per Room	1.5
Units in Structure	1.5
Year Structure Built and Year Householder Moved Into Unit	1.4
House Heating Fuel	1.6
Telephone Service Available	1.5
Vehicles Available	1.5
Plumbing Facilities and Kitchen Facilities	1.9
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.6
Meals Included in Rent	1.5
Inclusion of Utilities in Rent	1.6
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.4
Selected Physical and Financial Conditions	1.5

Table 2.13. Design Factors for Calculating PUMS Standard Errors – Idaho

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.6
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.6
Population in Families	4.1
Age	1.1
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.8
White Alone	3.4
Black or African American Alone	1.7
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	1.9
Hispanic or Latino	1.5
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.0
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.1
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	1.9
Residence 1 Year Ago	2.6
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.4
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.5
Travel Time to Work	1.6
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.6
Private Vehicle Occupancy	1.5
Work Experience, Hours Worked per Week, and Weeks Worked	1.3

Number of Workers in Family	1.4
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.4
Age of Own Children by Living Arrangements and Employment Status of Parents	1.5
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.5
Person Earnings/Income	1.5
Type of Household Income	1.5
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.5
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	2.4
Family Type, Household Type, and Household Size	1.6
Households by Presence of Nonrelatives	2.0
Unmarried Partner Households	1.6
Tenure	1.6
Vacant	1.6
Rooms and Bedrooms	1.5
Occupants per Room	1.5
Units in Structure	1.5
Year Structure Built and Year Householder Moved Into Unit	1.4
House Heating Fuel	1.4
Telephone Service Available	1.6
Vehicles Available	1.5
Plumbing Facilities and Kitchen Facilities	1.7
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.6
Meals Included in Rent	1.5
Inclusion of Utilities in Rent	1.6
Value	1.4
Mortgage Status and Selected Monthly Owner Costs	1.4
Selected Physical and Financial Conditions	1.6

Table 2.14. Design Factors for Calculating PUMS Standard Errors – Illinois

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.4
Population in Families	4.1
Age	1.2
Sex	1.6
Population of One Race	14.3
Population of Two or More Races	2.2
White Alone	3.3
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	3.0
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.5
Language Spoken at Home and Ability to Speak English	1.7
Linguistic Isolation	1.7
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.2
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	0.7
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.8
Means of Transportation to Work	1.7
Place of Work	1.8
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.8
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.9
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	3.2
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.6
Tenure	1.8
Vacant	1.9
Rooms and Bedrooms	1.6
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.8
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.4
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.8
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.15. Design Factors for Calculating PUMS Standard Errors – Indiana

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.9
Population in Families	3.8
Age	1.1
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	2.1
White Alone	3.4
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	1.8
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.1
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	1.9
Residence 1 Year Ago	2.8
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.4
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.2
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.6
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.5
Private Vehicle Occupancy	1.5
Work Experience, Hours Worked per Week, and Weeks Worked	1.3

Number of Workers in Family	1.4
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.5
Person Earnings/Income	1.5
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.6
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	2.4
Family Type, Household Type, and Household Size	1.6
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.6
Tenure	1.7
Vacant	1.9
Rooms and Bedrooms	1.6
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.5
House Heating Fuel	1.4
Telephone Service Available	1.6
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.2
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.6
Meals Included in Rent	1.6
Inclusion of Utilities in Rent	1.7
Value	1.4
Mortgage Status and Selected Monthly Owner Costs	1.4
Selected Physical and Financial Conditions	1.6

Table 2.16. Design Factors for Calculating PUMS Standard Errors – Iowa

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.4
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.2
Population in Families	3.8
Age	1.2
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.8
White Alone	3.4
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	1.5
Hispanic or Latino	1.2
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	1.8
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.5
Language Spoken at Home and Ability to Speak English	1.7
Linguistic Isolation	1.4
Place of Birth, Year of Entry, and Citizenship Status	1.7
Residence 1 Year Ago	2.3
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.1
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.3
Travel Time to Work	1.5
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.4
Private Vehicle Occupancy	1.4
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.2
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.3
Person Earnings/Income	1.6
Type of Household Income	2.0
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.3
Ratio of Income to Poverty Level	2.2
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.6
HOUSING	
Households/Occupied Housing Units	3.2
Family Type, Household Type, and Household Size	1.4
Households by Presence of Nonrelatives	1.6
Unmarried Partner Households	1.4
Tenure	1.3
Vacant	1.9
Rooms and Bedrooms	1.3
Occupants per Room	1.8
Units in Structure	1.5
Year Structure Built and Year Householder Moved Into Unit	1.3
House Heating Fuel	1.3
Telephone Service Available	1.4
Vehicles Available	1.3
Plumbing Facilities and Kitchen Facilities	1.9
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.5
Meals Included in Rent	1.3
Inclusion of Utilities in Rent	1.4
Value	1.2
Mortgage Status and Selected Monthly Owner Costs	1.2
Selected Physical and Financial Conditions	1.4

Table 2.17. Design Factors for Calculating PUMS Standard Errors – Kansas

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.5
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.8
Population in Families	3.8
Age	1.1
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.8
White Alone	3.4
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.1
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	1.9
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.2
Language Spoken at Home and Ability to Speak English	1.7
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	1.8
Residence 1 Year Ago	2.8
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.3
Armed Forces Status and Veteran Status	0.7
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.4
Travel Time to Work	1.6
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.5
Private Vehicle Occupancy	1.6
Work Experience, Hours Worked per Week, and Weeks Worked	1.2

Number of Workers in Family	1.3
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.4
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.4
Person Earnings/Income	1.5
Type of Household Income	2.0
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.4
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.5
HOUSING	
Households/Occupied Housing Units	2.5
Family Type, Household Type, and Household Size	1.5
Households by Presence of Nonrelatives	2.1
Unmarried Partner Households	1.5
Tenure	1.6
Vacant	1.9
Rooms and Bedrooms	1.5
Occupants per Room	1.5
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.4
House Heating Fuel	1.4
Telephone Service Available	1.6
Vehicles Available	1.4
Plumbing Facilities and Kitchen Facilities	2.0
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.5
Value	1.3
Mortgage Status and Selected Monthly Owner Costs	1.3
Selected Physical and Financial Conditions	1.6

Table 2.18. Design Factors for Calculating PUMS Standard Errors – Kentucky

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.0
Population in Families	3.8
Age	1.1
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.9
White Alone	3.4
Black or African American Alone	1.9
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.0
Hispanic or Latino	1.8
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.3
Language Spoken at Home and Ability to Speak English	1.8
Linguistic Isolation	1.7
Place of Birth, Year of Entry, and Citizenship Status	2.1
Residence 1 Year Ago	3.1
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.4
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.7
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.6
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.7
Age of Householder	1.4
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.5
Person Earnings/Income	1.6
Type of Household Income	1.2
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.6
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	2.4
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.6
Vacant	1.9
Rooms and Bedrooms	1.7
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.5
House Heating Fuel	1.5
Telephone Service Available	1.7
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.2
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.6
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.6

Table 2.19 Design Factors for Calculating PUMS Standard Errors – Louisiana

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	1.9
Population by Tenure	3.4
Population in Families	3.8
Age	1.1
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	2.2
White Alone	2.1
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.0
Hispanic or Latino	2.0
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	0.9
Language Spoken at Home and Ability to Speak English	1.4
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.1
Residence 1 Year Ago	3.2
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.8
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.8
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.9
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	2.4
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.8
Vacant	1.9
Rooms and Bedrooms	1.7
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.8
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.3
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.8
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.20. Design Factors for Calculating PUMS Standard Errors – Maine

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.6
Population in Families	4.2
Age	1.3
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.3
White Alone	3.4
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	1.5
Hispanic or Latino	1.5
Not Hispanic or Latino	2.7
Marital Status	1.4
Relationship	1.4
Ancestry	1.9
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.5
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.3
Place of Birth, Year of Entry, and Citizenship Status	1.8
Residence 1 Year Ago	2.4
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.6
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.4
Travel Time to Work	1.5
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.5
Private Vehicle Occupancy	1.4
Work Experience, Hours Worked per Week, and Weeks Worked	1.5

Number of Workers in Family	1.4
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.7
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.4
Person Earnings/Income	1.7
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.3
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.5
HOUSING	
Households/Occupied Housing Units	2.4
Family Type, Household Type, and Household Size	1.6
Households by Presence of Nonrelatives	1.9
Unmarried Partner Households	1.6
Tenure	1.5
Vacant	1.3
Rooms and Bedrooms	1.4
Occupants per Room	1.8
Units in Structure	1.5
Year Structure Built and Year Householder Moved Into Unit	1.4
House Heating Fuel	1.3
Telephone Service Available	1.5
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	1.4
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.6
Meals Included in Rent	1.5
Inclusion of Utilities in Rent	1.5
Value	1.3
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.4

Table 2.21. Design Factors for Calculating PUMS Standard Errors – Maryland

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.4
Population in Families	4.2
Age	1.1
Sex	2.0
Population of One Race	12.2
Population of Two or More Races	2.2
White Alone	2.5
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	2.9
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	0.9
Language Spoken at Home and Ability to Speak English	1.7
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.2
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.8
Means of Transportation to Work	1.7
Place of Work	1.8
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.9
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	3.5
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.8
Vacant	1.9
Rooms and Bedrooms	1.7
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.8
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.4
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.8
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.22. Design Factors for Calculating PUMS Standard Errors – Massachusetts

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.4
Population in Families	4.2
Age	1.2
Sex	1.6
Population of One Race	17.1
Population of Two or More Races	2.2
White Alone	5.4
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	3.8
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	0.9
Language Spoken at Home and Ability to Speak English	1.8
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.2
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	0.7
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.8
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.6
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	2.0
Poverty Status (Persons)	1.8
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.9
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	3.5
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.8
Vacant	1.9
Rooms and Bedrooms	1.6
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.8
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.4
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.8
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.23. Design Factors for Calculating PUMS Standard Errors – Michigan

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.9
Population in Families	4.2
Age	1.2
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.9
White Alone	3.4
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	1.8
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	1.9
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.3
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.4
Place of Birth, Year of Entry, and Citizenship Status	2.1
Residence 1 Year Ago	3.0
School Enrollment, Level of School, and Type of School	1.4
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.4
Travel Time to Work	1.6
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.5
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.3

Number of Workers in Family	1.4
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.4
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.7
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.5
Person Earnings/Income	1.5
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.7
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.6
HOUSING	
Households/Occupied Housing Units	3.2
Family Type, Household Type, and Household Size	1.6
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.6
Tenure	1.6
Vacant	1.7
Rooms and Bedrooms	1.5
Occupants per Room	1.8
Units in Structure	1.6
Year Structure Built and Year Householder Moved Into Unit	1.4
House Heating Fuel	1.5
Telephone Service Available	1.6
Vehicles Available	1.4
Plumbing Facilities and Kitchen Facilities	1.9
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.6
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.6
Value	1.3
Mortgage Status and Selected Monthly Owner Costs	1.4
Selected Physical and Financial Conditions	1.5

Table 2.24. Design Factors for Calculating PUMS Standard Errors – Minnesota

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.8
Population in Families	4.2
Age	1.3
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.9
White Alone	3.4
Black or African American Alone	2.4
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.3
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	1.8
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.1
Language Spoken at Home and Ability to Speak English	1.8
Linguistic Isolation	1.7
Place of Birth, Year of Entry, and Citizenship Status	1.9
Residence 1 Year Ago	2.6
School Enrollment, Level of School, and Type of School	1.4
Educational Attainment	1.5
Armed Forces Status and Veteran Status	0.7
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.3
Travel Time to Work	1.5
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.4
Private Vehicle Occupancy	1.6
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.3
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.7
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.4
Person Earnings/Income	1.4
Type of Household Income	2.0
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.4
Ratio of Income to Poverty Level	2.3
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.6
HOUSING	
Households/Occupied Housing Units	3.2
Family Type, Household Type, and Household Size	1.5
Households by Presence of Nonrelatives	1.9
Unmarried Partner Households	1.5
Tenure	1.4
Vacant	1.6
Rooms and Bedrooms	1.3
Occupants per Room	1.8
Units in Structure	1.5
Year Structure Built and Year Householder Moved Into Unit	1.3
House Heating Fuel	1.2
Telephone Service Available	1.4
Vehicles Available	1.3
Plumbing Facilities and Kitchen Facilities	1.7
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.5
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.5
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.2
Selected Physical and Financial Conditions	1.4

Table 2.25. Design Factors for Calculating PUMS Standard Errors – Mississippi

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	1.7
Population by Tenure	3.0
Population in Families	3.8
Age	1.1
Sex	1.1
Population of One Race	9.5
Population of Two or More Races	2.2
White Alone	2.1
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	1.8
Hispanic or Latino	2.0
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.3
Language Spoken at Home and Ability to Speak English	1.1
Linguistic Isolation	1.7
Place of Birth, Year of Entry, and Citizenship Status	2.1
Residence 1 Year Ago	3.0
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.2
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.7
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.4
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.9
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	2.2
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.7
Vacant	1.9
Rooms and Bedrooms	1.7
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.5
Telephone Service Available	1.8
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.1
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.7
Value	1.4
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.26. Design Factors for Calculating PUMS Standard Errors – Missouri

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.0
Population in Families	4.1
Age	1.1
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.9
White Alone	3.4
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	1.9
Hispanic or Latino	1.8
Not Hispanic or Latino	2.7
Marital Status	1.4
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.3
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.7
Place of Birth, Year of Entry, and Citizenship Status	2.1
Residence 1 Year Ago	2.9
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.6
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.6
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.4
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.5
Person Earnings/Income	1.6
Type of Household Income	2.0
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.6
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.6
HOUSING	
Households/Occupied Housing Units	2.5
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.6
Tenure	1.7
Vacant	1.9
Rooms and Bedrooms	1.7
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.5
House Heating Fuel	1.4
Telephone Service Available	1.7
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.1
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.7
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.4
Selected Physical and Financial Conditions	1.6

Table 2.27. Design Factors for Calculating PUMS Standard Errors – Montana

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.6
Population in Families	4.2
Age	1.2
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.8
White Alone	3.4
Black or African American Alone	1.1
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	1.1
Hispanic or Latino	1.5
Not Hispanic or Latino	2.7
Marital Status	1.4
Relationship	1.4
Ancestry	1.8
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.5
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.3
Place of Birth, Year of Entry, and Citizenship Status	1.7
Residence 1 Year Ago	2.4
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.4
Travel Time to Work	1.5
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.5
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.4
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.4
Person Earnings/Income	1.6
Type of Household Income	2.0
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.4
Ratio of Income to Poverty Level	2.3
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.6
HOUSING	
Households/Occupied Housing Units	2.5
Family Type, Household Type, and Household Size	1.4
Households by Presence of Nonrelatives	1.7
Unmarried Partner Households	1.4
Tenure	1.4
Vacant	1.3
Rooms and Bedrooms	1.4
Occupants per Room	1.8
Units in Structure	1.4
Year Structure Built and Year Householder Moved Into Unit	1.3
House Heating Fuel	1.3
Telephone Service Available	1.4
Vehicles Available	1.3
Plumbing Facilities and Kitchen Facilities	1.3
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.5
Meals Included in Rent	1.4
Inclusion of Utilities in Rent	1.4
Value	1.3
Mortgage Status and Selected Monthly Owner Costs	1.3
Selected Physical and Financial Conditions	1.4

Table 2.28. Design Factors for Calculating PUMS Standard Errors – Nebraska

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.3
Population in Families	4.2
Age	1.3
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	2.0
White Alone	3.4
Black or African American Alone	2.4
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.0
Hispanic or Latino	2.4
Not Hispanic or Latino	2.7
Marital Status	1.4
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.1
Language Spoken at Home and Ability to Speak English	1.8
Linguistic Isolation	1.3
Place of Birth, Year of Entry, and Citizenship Status	1.7
Residence 1 Year Ago	3.0
School Enrollment, Level of School, and Type of School	1.4
Educational Attainment	1.5
Armed Forces Status and Veteran Status	0.7
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.3
Travel Time to Work	1.4
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.4
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.2
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.6
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.7
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.3
Ratio of Income to Poverty Level	2.2
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.3
HOUSING	
Households/Occupied Housing Units	3.2
Family Type, Household Type, and Household Size	1.4
Households by Presence of Nonrelatives	2.0
Unmarried Partner Households	1.4
Tenure	1.4
Vacant	1.6
Rooms and Bedrooms	1.3
Occupants per Room	1.8
Units in Structure	1.5
Year Structure Built and Year Householder Moved Into Unit	1.3
House Heating Fuel	1.3
Telephone Service Available	1.4
Vehicles Available	1.3
Plumbing Facilities and Kitchen Facilities	1.9
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.4
Meals Included in Rent	1.3
Inclusion of Utilities in Rent	1.3
Value	1.2
Mortgage Status and Selected Monthly Owner Costs	1.2
Selected Physical and Financial Conditions	1.4

Table 2.29. Design Factors for Calculating PUMS Standard Errors – Nevada

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.4
Population in Families	4.1
Age	1.2
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	2.2
White Alone	3.6
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	3.2
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	0.9
Language Spoken at Home and Ability to Speak English	2.1
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.0
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.2
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.8
Means of Transportation to Work	1.7
Place of Work	1.8
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.4
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.8
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.9
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	2.8
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.8
Vacant	1.9
Rooms and Bedrooms	1.6
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.8
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.4
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.8
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.30. Design Factors for Calculating PUMS Standard Errors – New Hampshire

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.6
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.8
Population in Families	3.8
Age	1.1
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.6
White Alone	3.4
Black or African American Alone	1.5
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.0
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.2
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.7
Place of Birth, Year of Entry, and Citizenship Status	1.9
Residence 1 Year Ago	2.8
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.5
Travel Time to Work	1.6
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.5
Private Vehicle Occupancy	1.6
Work Experience, Hours Worked per Week, and Weeks Worked	1.3

Number of Workers in Family	1.4
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.6
Age of Own Children by Living Arrangements and Employment Status of Parents	1.6
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.5
Person Earnings/Income	1.5
Type of Household Income	1.5
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.6
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.6
HOUSING	
Households/Occupied Housing Units	2.5
Family Type, Household Type, and Household Size	1.6
Households by Presence of Nonrelatives	2.1
Unmarried Partner Households	1.6
Tenure	1.5
Vacant	1.5
Rooms and Bedrooms	1.5
Occupants per Room	1.5
Units in Structure	1.6
Year Structure Built and Year Householder Moved Into Unit	1.4
House Heating Fuel	1.4
Telephone Service Available	1.6
Vehicles Available	1.5
Plumbing Facilities and Kitchen Facilities	1.7
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.7
Meals Included in Rent	1.5
Inclusion of Utilities in Rent	1.6
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.5

Table 2.31. Design Factors for Calculating PUMS Standard Errors – New Jersey

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.4
Population in Families	4.2
Age	1.2
Sex	1.6
Population of One Race	14.7
Population of Two or More Races	2.2
White Alone	3.3
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	3.0
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	0.9
Language Spoken at Home and Ability to Speak English	2.0
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.2
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	0.7
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.8
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.4
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.9
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	3.8
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.8
Vacant	1.9
Rooms and Bedrooms	1.6
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.8
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.4
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.8
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.32. Design Factors for Calculating PUMS Standard Errors – New Mexico

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.3
Population in Families	3.8
Age	1.1
Sex	1.6
Population of One Race	8.4
Population of Two or More Races	2.2
White Alone	2.4
Black or African American Alone	1.1
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.3
Not Hispanic or Latino	1.5
Marital Status	1.3
Relationship	1.4
Ancestry	2.0
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.4
Language Spoken at Home and Ability to Speak English	1.7
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.2
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	0.7
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.8
Means of Transportation to Work	1.7
Place of Work	1.7
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.4
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.9
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.6
HOUSING	
Households/Occupied Housing Units	1.9
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.7
Vacant	1.8
Rooms and Bedrooms	1.6
Occupants per Room	1.6
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.7
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	1.8
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.7
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.33. Design Factors for Calculating PUMS Standard Errors – New York

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.4
Population in Families	4.2
Age	1.2
Sex	1.6
Population of One Race	15.1
Population of Two or More Races	2.2
White Alone	3.4
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	3.2
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	0.9
Language Spoken at Home and Ability to Speak English	1.8
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.2
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	0.7
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.8
Means of Transportation to Work	1.7
Place of Work	1.9
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.4
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.9
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.9
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	3.2
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.8
Vacant	1.9
Rooms and Bedrooms	1.6
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.8
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.4
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.8
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.34. Design Factors for Calculating PUMS Standard Errors – North Carolina

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.1
Population in Families	3.4
Age	1.1
Sex	1.1
Population of One Race	9.5
Population of Two or More Races	2.2
White Alone	2.1
Black or African American Alone	1.7
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.2
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.1
Residence 1 Year Ago	3.0
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	0.7
Period of Military Service	1.5
Disability Status	1.2
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.8
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.7
Age of Householder	1.4
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.8
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	2.2
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.8
Vacant	1.9
Rooms and Bedrooms	1.7
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.7
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.2
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.7
Value	1.4
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.35. Design Factors for Calculating PUMS Standard Errors – North Dakota

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.2
Population in Families	3.8
Age	1.2
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.6
White Alone	3.4
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	1.0
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	1.6
Grandparents Responsible for Grandchildren	1.4
Number of Women Who Had a Birth in the Past 12 Months	1.5
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.2
Place of Birth, Year of Entry, and Citizenship Status	1.5
Residence 1 Year Ago	2.1
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.2
Travel Time to Work	1.4
Means of Transportation to Work	1.2
Place of Work	2.4
Time Leaving Home to go to Work	1.3
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.2
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.9
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.2
Person Earnings/Income	1.6
Type of Household Income	2.0
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.2
Ratio of Income to Poverty Level	1.9
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.3
HOUSING	
Households/Occupied Housing Units	2.5
Family Type, Household Type, and Household Size	1.3
Households by Presence of Nonrelatives	1.5
Unmarried Partner Households	1.4
Tenure	1.3
Vacant	1.3
Rooms and Bedrooms	1.3
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.2
House Heating Fuel	1.1
Telephone Service Available	1.3
Vehicles Available	1.2
Plumbing Facilities and Kitchen Facilities	1.3
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.4
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.8
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.1
Selected Physical and Financial Conditions	1.3

Table 2.36. Design Factors for Calculating PUMS Standard Errors – Ohio

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.0
Population in Families	4.0
Age	1.1
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.8
White Alone	3.4
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.0
Hispanic or Latino	1.9
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.3
Language Spoken at Home and Ability to Speak English	1.4
Linguistic Isolation	1.7
Place of Birth, Year of Entry, and Citizenship Status	2.0
Residence 1 Year Ago	3.1
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.4
Armed Forces Status and Veteran Status	0.7
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.5
Travel Time to Work	1.6
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.6
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.5
Person Earnings/Income	1.5
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.6
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	2.7
Family Type, Household Type, and Household Size	1.6
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.6
Tenure	1.7
Vacant	1.9
Rooms and Bedrooms	1.6
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.5
House Heating Fuel	1.6
Telephone Service Available	1.7
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.4
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.7
Meals Included in Rent	1.6
Inclusion of Utilities in Rent	1.7
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.4
Selected Physical and Financial Conditions	1.6

Table 2.37. Design Factors for Calculating PUMS Standard Errors – Oklahoma

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.6
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.5
Population in Families	4.1
Age	1.1
Sex	1.6
Population of One Race	6.6
Population of Two or More Races	1.9
White Alone	3.3
Black or African American Alone	1.3
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	1.8
Hispanic or Latino	1.5
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.0
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.2
Language Spoken at Home and Ability to Speak English	1.7
Linguistic Isolation	1.4
Place of Birth, Year of Entry, and Citizenship Status	1.8
Residence 1 Year Ago	2.6
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.4
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.5
Travel Time to Work	1.6
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.6
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.3

Number of Workers in Family	1.4
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.5
Household, Family, or Nonfamily Income	1.5
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.5
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	2.5
Family Type, Household Type, and Household Size	1.6
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.5
Tenure	1.6
Vacant	1.9
Rooms and Bedrooms	1.5
Occupants per Room	1.8
Units in Structure	1.6
Year Structure Built and Year Householder Moved Into Unit	1.4
House Heating Fuel	1.5
Telephone Service Available	1.6
Vehicles Available	1.5
Plumbing Facilities and Kitchen Facilities	2.0
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.7
Meals Included in Rent	1.5
Inclusion of Utilities in Rent	1.6
Value	1.4
Mortgage Status and Selected Monthly Owner Costs	1.4
Selected Physical and Financial Conditions	1.5

Table 2.38. Design Factors for Calculating PUMS Standard Errors – Oregon

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.6
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.0
Population in Families	3.8
Age	1.1
Sex	1.6
Population of One Race	8.4
Population of Two or More Races	2.0
White Alone	3.4
Black or African American Alone	1.1
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.4
Language Spoken at Home and Ability to Speak English	1.8
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.1
Residence 1 Year Ago	2.9
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.7
Means of Transportation to Work	1.7
Place of Work	1.7
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.5
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.7
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	3.2
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.1
Unmarried Partner Households	1.7
Tenure	1.6
Vacant	1.9
Rooms and Bedrooms	1.5
Occupants per Room	1.8
Units in Structure	1.6
Year Structure Built and Year Householder Moved Into Unit	1.5
House Heating Fuel	1.5
Telephone Service Available	1.7
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.3
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.6
Inclusion of Utilities in Rent	1.6
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.4
Selected Physical and Financial Conditions	1.6

Table 2.39. Design Factors for Calculating PUMS Standard Errors – Pennsylvania

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.3
Population in Families	4.2
Age	1.3
Sex	1.6
Population of One Race	12.5
Population of Two or More Races	1.9
White Alone	3.9
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.0
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.4
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.7
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.0
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	0.7
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.5
Travel Time to Work	1.6
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.5
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.4
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.5
Person Earnings/Income	1.5
Type of Household Income	2.0
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.6
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	3.2
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.5
Tenure	1.7
Vacant	1.9
Rooms and Bedrooms	1.5
Occupants per Room	1.8
Units in Structure	1.6
Year Structure Built and Year Householder Moved Into Unit	1.5
House Heating Fuel	1.4
Telephone Service Available	1.7
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.4
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.6
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.6
Value	1.3
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.6

Table 2.40. Design Factors for Calculating PUMS Standard Errors – Rhode Island

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.9
Population in Families	3.1
Age	1.1
Sex	1.1
Population of One Race	9.5
Population of Two or More Races	2.2
White Alone	3.4
Black or African American Alone	1.9
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.4
Language Spoken at Home and Ability to Speak English	1.6
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.1
Residence 1 Year Ago	3.1
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.7
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.4
Race of Householder	1.5
Household, Family, or Nonfamily Income	1.5
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.8
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.6
HOUSING	
Households/Occupied Housing Units	2.4
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.0
Unmarried Partner Households	1.7
Tenure	1.6
Vacant	1.6
Rooms and Bedrooms	1.6
Occupants per Room	1.8
Units in Structure	1.6
Year Structure Built and Year Householder Moved Into Unit	1.5
House Heating Fuel	1.5
Telephone Service Available	1.6
Vehicles Available	1.5
Plumbing Facilities and Kitchen Facilities	2.0
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.7
Meals Included in Rent	1.5
Inclusion of Utilities in Rent	1.6
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.6

Table 2.41. Design Factors for Calculating PUMS Standard Errors – South Carolina

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	1.6
Population by Tenure	3.1
Population in Families	3.8
Age	1.1
Sex	1.1
Population of One Race	9.5
Population of Two or More Races	2.2
White Alone	2.1
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.0
Hispanic or Latino	2.0
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.8
Number of Women Who Had a Birth in the Past 12 Months	1.2
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.4
Place of Birth, Year of Entry, and Citizenship Status	2.1
Residence 1 Year Ago	2.9
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.2
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.8
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.4
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.2
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.7
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	1.9
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.6
Tenure	1.7
Vacant	1.9
Rooms and Bedrooms	1.6
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.7
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	1.9
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.7
Value	1.4
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.42. Design Factors for Calculating PUMS Standard Errors – South Dakota

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.1
Population in Families	4.1
Age	1.3
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.9
White Alone	3.4
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	1.3
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	1.7
Grandparents Responsible for Grandchildren	1.5
Number of Women Who Had a Birth in the Past 12 Months	1.5
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.7
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	2.3
School Enrollment, Level of School, and Type of School	1.4
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.5
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.4
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.3
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.6
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.3
Person Earnings/Income	1.3
Type of Household Income	2.0
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.4
Ratio of Income to Poverty Level	2.2
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.4
HOUSING	
Households/Occupied Housing Units	3.2
Family Type, Household Type, and Household Size	1.3
Households by Presence of Nonrelatives	1.7
Unmarried Partner Households	1.4
Tenure	1.2
Vacant	1.5
Rooms and Bedrooms	1.3
Occupants per Room	1.8
Units in Structure	1.4
Year Structure Built and Year Householder Moved Into Unit	1.2
House Heating Fuel	1.1
Telephone Service Available	1.3
Vehicles Available	1.3
Plumbing Facilities and Kitchen Facilities	1.5
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.3
Inclusion of Utilities in Rent	1.2
Value	1.2
Mortgage Status and Selected Monthly Owner Costs	1.3
Selected Physical and Financial Conditions	1.3

Table 2.43. Design Factors for Calculating PUMS Standard Errors – Tennessee

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.3
Population in Families	3.8
Age	1.1
Sex	1.1
Population of One Race	9.5
Population of Two or More Races	2.0
White Alone	3.3
Black or African American Alone	1.1
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.2
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.4
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.7
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.2
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.8
Means of Transportation to Work	1.7
Place of Work	1.7
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.4
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.9
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	2.4
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.8
Vacant	1.9
Rooms and Bedrooms	1.7
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.5
Telephone Service Available	1.8
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.4
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.8
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.44. Design Factors for Calculating PUMS Standard Errors – Texas

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.4
Population in Families	4.2
Age	1.1
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	2.2
White Alone	3.3
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	2.4
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.5
Language Spoken at Home and Ability to Speak English	2.0
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.2
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.8
Means of Transportation to Work	1.7
Place of Work	1.9
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	2.0
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.9
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	2.5
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.8
Vacant	1.9
Rooms and Bedrooms	1.6
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.8
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.4
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.8
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.45. Design Factors for Calculating PUMS Standard Errors – Utah

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.2
Population in Families	4.2
Age	1.2
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.9
White Alone	3.4
Black or African American Alone	1.6
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	3.0
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.4
Language Spoken at Home and Ability to Speak English	1.8
Linguistic Isolation	1.4
Place of Birth, Year of Entry, and Citizenship Status	2.1
Residence 1 Year Ago	3.0
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.4
Armed Forces Status and Veteran Status	1.1
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.6
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.6
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.5
Person Earnings/Income	1.6
Type of Household Income	1.1
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.8
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	3.2
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.7
Vacant	1.7
Rooms and Bedrooms	1.6
Occupants per Room	1.6
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.5
House Heating Fuel	1.6
Telephone Service Available	1.7
Vehicles Available	1.5
Plumbing Facilities and Kitchen Facilities	2.0
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.7
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.6
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.4
Selected Physical and Financial Conditions	1.5

Table 2.46. Design Factors for Calculating PUMS Standard Errors – Vermont

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.2
Population in Families	4.1
Age	1.3
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.1
White Alone	3.4
Black or African American Alone	1.1
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	0.9
Hispanic or Latino	1.2
Not Hispanic or Latino	2.7
Marital Status	1.5
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.5
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.7
Place of Birth, Year of Entry, and Citizenship Status	1.4
Residence 1 Year Ago	2.2
School Enrollment, Level of School, and Type of School	1.4
Educational Attainment	1.6
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.2
Travel Time to Work	1.4
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.3
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.3
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.7
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.4
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.7
Type of Household Income	2.0
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.3
Ratio of Income to Poverty Level	2.1
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.4
HOUSING	
Households/Occupied Housing Units	2.4
Family Type, Household Type, and Household Size	1.3
Households by Presence of Nonrelatives	1.5
Unmarried Partner Households	1.3
Tenure	1.2
Vacant	1.0
Rooms and Bedrooms	1.3
Occupants per Room	1.8
Units in Structure	1.3
Year Structure Built and Year Householder Moved Into Unit	1.2
House Heating Fuel	1.2
Telephone Service Available	1.2
Vehicles Available	1.2
Plumbing Facilities and Kitchen Facilities	1.0
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.4
Meals Included in Rent	1.7
Inclusion of Utilities in Rent	1.8
Value	1.2
Mortgage Status and Selected Monthly Owner Costs	1.2
Selected Physical and Financial Conditions	1.3

Table 2.47. Design Factors for Calculating PUMS Standard Errors – Virginia

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	3.1
Population in Families	2.8
Age	1.1
Sex	1.1
Population of One Race	8.4
Population of Two or More Races	2.2
White Alone	2.1
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.2
Language Spoken at Home and Ability to Speak English	1.4
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.1
Residence 1 Year Ago	2.7
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.2
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.7
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.7
Age of Householder	1.4
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.8
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	2.4
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.6
Vacant	1.9
Rooms and Bedrooms	1.6
Occupants per Room	1.8
Units in Structure	1.6
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.7
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.2
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.7
Meals Included in Rent	1.6
Inclusion of Utilities in Rent	1.7
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.6

Table 2.48. Design Factors for Calculating PUMS Standard Errors – Washington

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.9
Population in Families	4.1
Age	1.2
Sex	1.9
Population of One Race	8.4
Population of Two or More Races	2.0
White Alone	3.4
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.4
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.4
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	0.9
Language Spoken at Home and Ability to Speak English	1.8
Linguistic Isolation	1.5
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.1
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.5
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.7
Means of Transportation to Work	1.7
Place of Work	1.7
Time Leaving Home to go to Work	1.7
Private Vehicle Occupancy	1.7
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.6
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.8
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.6
HOUSING	
Households/Occupied Housing Units	3.5
Family Type, Household Type, and Household Size	1.7
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.7
Tenure	1.7
Vacant	1.9
Rooms and Bedrooms	1.6
Occupants per Room	1.8
Units in Structure	1.7
Year Structure Built and Year Householder Moved Into Unit	1.6
House Heating Fuel	1.6
Telephone Service Available	1.7
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	2.4
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.7
Inclusion of Utilities in Rent	1.7
Value	1.6
Mortgage Status and Selected Monthly Owner Costs	1.5
Selected Physical and Financial Conditions	1.7

Table 2.49. Design Factors for Calculating PUMS Standard Errors – West Virginia

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.6
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.7
Population in Families	3.8
Age	1.0
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.8
White Alone	3.4
Black or African American Alone	1.2
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	1.6
Hispanic or Latino	1.4
Not Hispanic or Latino	2.7
Marital Status	1.2
Relationship	1.3
Ancestry	2.1
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	0.9
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.7
Place of Birth, Year of Entry, and Citizenship Status	1.9
Residence 1 Year Ago	2.6
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.4
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.6
Travel Time to Work	1.7
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.6
Private Vehicle Occupancy	1.5
Work Experience, Hours Worked per Week, and Weeks Worked	1.3

Number of Workers in Family	1.5
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.4
Age of Own Children by Living Arrangements and Employment Status of Parents	1.6
Age of Householder	1.3
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.5
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.5
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.7
HOUSING	
Households/Occupied Housing Units	1.7
Family Type, Household Type, and Household Size	1.6
Households by Presence of Nonrelatives	2.0
Unmarried Partner Households	1.5
Tenure	1.5
Vacant	1.6
Rooms and Bedrooms	1.5
Occupants per Room	1.4
Units in Structure	1.6
Year Structure Built and Year Householder Moved Into Unit	1.5
House Heating Fuel	1.5
Telephone Service Available	1.5
Vehicles Available	1.6
Plumbing Facilities and Kitchen Facilities	1.7
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.6
Meals Included in Rent	1.5
Inclusion of Utilities in Rent	1.6
Value	1.4
Mortgage Status and Selected Monthly Owner Costs	1.4
Selected Physical and Financial Conditions	1.6

Table 2.50. Design Factors for Calculating PUMS Standard Errors – Wisconsin

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.7
Population in Families	4.2
Age	1.3
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.8
White Alone	3.4
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.0
Hispanic or Latino	2.1
Not Hispanic or Latino	2.7
Marital Status	1.4
Relationship	1.4
Ancestry	1.7
Grandparents Responsible for Grandchildren	1.9
Number of Women Who Had a Birth in the Past 12 Months	1.5
Language Spoken at Home and Ability to Speak English	1.7
Linguistic Isolation	1.3
Place of Birth, Year of Entry, and Citizenship Status	1.8
Residence 1 Year Ago	2.5
School Enrollment, Level of School, and Type of School	1.4
Educational Attainment	1.6
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.3
Travel Time to Work	1.4
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.4
Private Vehicle Occupancy	1.4
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.2
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.8
Age of Householder	1.5
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.3
Person Earnings/Income	1.6
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.4
Ratio of Income to Poverty Level	2.2
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.6
HOUSING	
Households/Occupied Housing Units	3.2
Family Type, Household Type, and Household Size	1.4
Households by Presence of Nonrelatives	1.7
Unmarried Partner Households	1.4
Tenure	1.5
Vacant	1.3
Rooms and Bedrooms	1.3
Occupants per Room	1.8
Units in Structure	1.5
Year Structure Built and Year Householder Moved Into Unit	1.3
House Heating Fuel	1.2
Telephone Service Available	1.5
Vehicles Available	1.3
Plumbing Facilities and Kitchen Facilities	1.4
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.8
Meals Included in Rent	1.4
Inclusion of Utilities in Rent	1.5
Value	1.2
Mortgage Status and Selected Monthly Owner Costs	1.2
Selected Physical and Financial Conditions	1.4

Table 2.51. Design Factors for Calculating PUMS Standard Errors – Wyoming

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.6
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.4
Population in Families	3.8
Age	1.1
Sex	1.6
Population of One Race	9.5
Population of Two or More Races	1.7
White Alone	3.4
Black or African American Alone	1.4
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	1.6
Hispanic or Latino	1.5
Not Hispanic or Latino	2.7
Marital Status	1.3
Relationship	1.2
Ancestry	1.8
Grandparents Responsible for Grandchildren	1.6
Number of Women Who Had a Birth in the Past 12 Months	0.9
Language Spoken at Home and Ability to Speak English	1.5
Linguistic Isolation	1.7
Place of Birth, Year of Entry, and Citizenship Status	1.7
Residence 1 Year Ago	2.4
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.3
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.4
Travel Time to Work	1.5
Means of Transportation to Work	1.7
Place of Work	1.7
Time Leaving Home to go to Work	1.5
Private Vehicle Occupancy	1.4
Work Experience, Hours Worked per Week, and Weeks Worked	1.4

Number of Workers in Family	1.3
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.3
Age of Own Children by Living Arrangements and Employment Status of Parents	1.5
Age of Householder	1.2
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.4
Person Earnings/Income	1.5
Type of Household Income	1.3
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.4
Ratio of Income to Poverty Level	2.4
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.5
HOUSING	
Households/Occupied Housing Units	2.4
Family Type, Household Type, and Household Size	1.5
Households by Presence of Nonrelatives	1.7
Unmarried Partner Households	1.5
Tenure	1.4
Vacant	1.6
Rooms and Bedrooms	1.5
Occupants per Room	1.8
Units in Structure	1.5
Year Structure Built and Year Householder Moved Into Unit	1.4
House Heating Fuel	1.4
Telephone Service Available	1.5
Vehicles Available	1.4
Plumbing Facilities and Kitchen Facilities	1.5
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.5
Meals Included in Rent	1.4
Inclusion of Utilities in Rent	1.5
Value	1.3
Mortgage Status and Selected Monthly Owner Costs	1.4
Selected Physical and Financial Conditions	1.4

Table 2.52. Design Factors for Calculating PUMS Standard Errors – Puerto Rico

Characteristics	Design Factor
POPULATION	
Families and Nonfamilies	1.7
Population in Households by Race/Hispanic Origin of Householder	2.0
Population by Tenure	2.7
Population in Families	4.2
Age	1.1
Sex	1.6
Population of One Race	6.6
Population of Two or More Races	2.2
White Alone	3.3
Black or African American Alone	2.0
American Indian or Alaska Native Alone, Asian Alone, Native Hawaiian or Other Pacific Islander Alone, or Some Other Race Alone	2.1
Hispanic or Latino	2.2
Not Hispanic or Latino	0.9
Marital Status	1.2
Relationship	1.3
Ancestry	2.0
Grandparents Responsible for Grandchildren	1.7
Number of Women Who Had a Birth in the Past 12 Months	1.0
Language Spoken at Home and Ability to Speak English	1.8
Linguistic Isolation	1.6
Place of Birth, Year of Entry, and Citizenship Status	2.2
Residence 1 Year Ago	3.0
School Enrollment, Level of School, and Type of School	1.3
Educational Attainment	1.4
Armed Forces Status and Veteran Status	1.2
Period of Military Service	1.5
Disability Status	1.3
Employment/Work Status	1.2
Industry, Occupation, and Class of Worker	1.5
Travel Time to Work	1.6
Means of Transportation to Work	1.7
Place of Work	2.4
Time Leaving Home to go to Work	1.6
Private Vehicle Occupancy	1.6
Work Experience, Hours Worked per Week, and Weeks Worked	1.3

Number of Workers in Family	1.4
Presence of Own Children, Presence of People Under 18 Years, Presence of People 60 Years and Over, and Presence of People 65 Years and Over	1.5
Age of Own Children by Living Arrangements and Employment Status of Parents	1.7
Age of Householder	1.4
Race of Householder	1.8
Household, Family, or Nonfamily Income	1.4
Person Earnings/Income	1.5
Type of Household Income	1.1
Poverty Status (Persons)	1.7
Poverty Status (Families/Households)	1.5
Ratio of Income to Poverty Level	2.7
Receipt of Food Stamps and Participation in Free or Reduced Price Meals	1.5
HOUSING	
Households/Occupied Housing Units	2.4
Family Type, Household Type, and Household Size	1.5
Households by Presence of Nonrelatives	2.2
Unmarried Partner Households	1.5
Tenure	1.5
Vacant	1.5
Rooms and Bedrooms	1.4
Occupants per Room	1.5
Units in Structure	1.5
Year Structure Built and Year Householder Moved Into Unit	1.4
House Heating Fuel	1.5
Telephone Service Available	1.5
Vehicles Available	1.4
Plumbing Facilities and Kitchen Facilities	1.8
Gross Rent, Gross Rent as a Percentage Of Household Income, and Contract Rent	1.5
Meals Included in Rent	1.8
Inclusion of Utilities in Rent	1.4
Value	1.4
Mortgage Status and Selected Monthly Owner Costs	1.4
Selected Physical and Financial Conditions	1.5

Table 3. a, b, & c Parameters for Calculating PUMS Standard Errors – United States

Characteristics	a	b	c
POPULATION			
Total Population**	84,571,849,404.0	-12,028,372,511.0	428,144,494.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	6,777.417550	-0.000001
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	5,971.952026	-0.000001
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	9,796,451.703700	0.000001
Aggregate Household Social Security Income	4100		
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	967,521.771040	-0.000005
Aggregate Household Other Types of Income	4100	2,900,765.509400	-0.000004
Aggregate Family or Nonfamily Income	4100	14,752,397.971000	0.000003
Aggregate Family Income Deficit	4100	1,771,047.692600	0.000002
Aggregate Person Income or Earnings	4100	9,906,355.564500	-0.000001
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units**	8,673,157,985.0	-1,316,650,111.0	50,095,433.0
Aggregate Number of Rooms	4100	1,576.729944	-0.000001
Aggregate Number of Vehicles Available	4100	718.194723	-0.000002
Aggregate Rent	4100	103,045.222850	0.000004
Aggregate Value	4100	28,494,346.061000	0.000002
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	103,999.901490	0.000003
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

** The standard errors of the 2005 PUMS estimates for total population and total housing units in the United States are 246,6567 and 90,384 respectively. Use these when estimating the total population or total housing units for geographic areas that cover more than one state.

Table 3.1. a, b, & c Parameters for Calculating PUMS Standard Errors – Alabama

Characteristics	a	b	c
POPULATION			
Total Population	7,486,187,660.0	-1,284,506,139.0	55,303,452.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	865,679.022750	0.000035
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	11,721,776.600000	-0.000079
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	758,577.569330	0.000265
HOUSING			
Total Housing Units	1,080,352,042.0	-197,750,217.0	9,088,627.0
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	21,663,118.930000	-0.000030
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.2. a, b, & c Parameters for Calculating PUMS Standard Errors – Alaska

Characteristics	a	b	c
POPULATION			
Total Population	54,935,501.5	-77,723,353.4	6,581,035.4
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,026.009705	-0.000035
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	2,623.686027	-0.000184
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	865,679.022750	0.000035
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	11,405,749.047000	0.000001
Aggregate Family Income Deficit	4100	1,064,396.538400	-0.001202
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units	190,753,001.4	-40,762,942.3	2,182,274.1
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	82,610.750174	-0.000335
Aggregate Value	4100	19,054,316.443000	-0.000061
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	80,041.638490	0.000011
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.3. a, b, & c Parameters for Calculating PUMS Standard Errors – Arizona

Characteristics	a	b	c
POPULATION			
Total Population	4,531,698,955.0	-789,910,972.0	34,746,111.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	801,975.195080	-0.000044
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	11,405,749.047000	0.000001
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	960,940.144800	0.000109
HOUSING			
Total Housing Units	799,593,990.1	-145,571,627.9	6,674,316.8
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	26,239,163.003000	0.000007
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.4. a, b, & c Parameters for Calculating PUMS Standard Errors – Arkansas

Characteristics	a	b	c
POPULATION			
Total Population	5,228,910,898.0	-915,469,813.0	40,207,494.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,414.568147	-0.000021
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	5,343,507.474000	-0.000030
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	764,711.579090	0.000417
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	6,799,598.486400	-0.000031
Aggregate Family Income Deficit	4100	1,409,611.051600	-0.000524
Aggregate Person Income or Earnings	4100	3,651,325.188500	-0.000022
Aggregate Income Deficit of Unrelated Individuals	4100	704,092.481750	0.000501
HOUSING			
Total Housing Units	929,201,316.3	-171,806,802.5	7,969,779.5
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	61,256.162197	-0.000071
Aggregate Value	4100	16,378,804.450000	-0.000014
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.5. a, b, & c Parameters for Calculating PUMS Standard Errors – California

Characteristics	a	b	c
POPULATION			
Total Population	28,027,654,279.0	-4,771,355,243.0	203,461,040.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	1,921.996564	0.000057
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	865,679.022750	0.000035
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	11,405,749.047000	0.000001
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	960,940.144800	0.000109
HOUSING			
Total Housing Units	2,808,199,752.0	-519,365,981.0	24,042,277.0
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	26,239,163.003000	0.000007
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	103,999.901490	0.000003
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.6. a, b, & c Parameters for Calculating PUMS Standard Errors – Colorado

Characteristics	a	b	c
POPULATION			
Total Population	7,538,135,630.0	-1,311,583,607.0	57,266,461.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	447,729.177500	0.001624
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	10,570,820.870000	-0.000020
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	759,673.913570	0.000264
HOUSING			
Total Housing Units	925,857,132.4	-170,808,912.8	7,915,172.1
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	26,239,163.003000	0.000007
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	80,041.638490	0.000011
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.7. a, b, & c Parameters for Calculating PUMS Standard Errors – Connecticut

Characteristics	a	b	c
POPULATION			
Total Population	6,684,045,302.0	-1,144,924,259.0	49,262,307.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	865,679.022750	0.000035
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	11,405,749.047000	0.000001
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units	865,744,044.1	-157,163,315.0	7,170,077.5
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	26,239,163.003000	0.000007
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	80,041.638490	0.000011
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	26,563.775153	0.000025

Table 3.8. a, b, & c Parameters for Calculating PUMS Standard Errors – Delaware

Characteristics	a	b	c
POPULATION			
Total Population	9,676,252,388.0	-1,611,778,029.0	67,370,780.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	-7.509756	0.003531
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,499.957768	-0.000137
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	729,613.478620	0.000245
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	9,516,816.000000	-0.000033
Aggregate Family Income Deficit	4100	1,204,993.195700	-0.001726
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	960,940.144800	0.000109
HOUSING			
Total Housing Units	800,195,612.5	-144,137,757.5	6,524,629.7
Aggregate Number of Rooms	4100	255.174544	-0.000071
Aggregate Number of Vehicles Available	4100	101.416366	-0.000072
Aggregate Rent	4100	76,131.418208	-0.000162
Aggregate Value	4100	17,974,527.775000	-0.000069
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.9. a, b, & c Parameters for Calculating PUMS Standard Errors – District of Columbia

Characteristics	a	b	c
POPULATION			
Total Population	-423,777,729.3	50,838,131.2	-1,056,550.9
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	599,305.067700	-0.001638
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	11,405,749.047000	0.000001
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	810,321.240860	-0.000382
HOUSING			
Total Housing Units	-307,959,399.2	51,301,018.2	-2,079,099.4
Aggregate Number of Rooms	4100	307.061652	-0.000173
Aggregate Number of Vehicles Available	4100	103.953772	-0.000160
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	26,239,163.003000	0.000007
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	80,041.638490	0.000011
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.10 a, b, & c Parameters for Calculating PUMS Standard Errors – Florida

Characteristics	a	b	c
POPULATION			
Total Population	7,753,497,980.0	-1,315,232,708.0	56,027,023.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	865,679.022750	0.000035
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	11,405,749.047000	0.000001
Aggregate Family Income Deficit	4100	1,276,734.485800	0.000063
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units	1,013,456,964.0	-184,368,532.0	8,421,064.0
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	26,239,163.003000	0.000007
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.11. a, b, & c Parameters for Calculating PUMS Standard Errors – Georgia

Characteristics	a	b	c
POPULATION			
Total Population	6,061,903,980.0	-1,010,020,739.0	42,254,107.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	757,875.714510	0.000138
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	11,405,749.047000	0.000001
Aggregate Family Income Deficit	4100	1,424,432.939700	0.000036
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	960,940.144800	0.000109
HOUSING			
Total Housing Units	714,777,801.3	-128,010,558.0	5,758,838.0
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	26,239,163.003000	0.000007
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.12. a, b, & c Parameters for Calculating PUMS Standard Errors – Hawaii

Characteristics	a	b	c
POPULATION			
Total Population	2,305,217,570.0	-420,479,146.0	19,420,971.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	1,479.682024	0.001608
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	7,419,366.505100	-0.000113
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	575,797.010450	0.002882
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	9,577,370.093900	-0.000186
Aggregate Family Income Deficit	4100	1,323,041.048700	-0.002007
Aggregate Person Income or Earnings	4100	4,952,377.026900	-0.000054
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units	360,000,578.8	-68,018,693.9	3,243,742.9
Aggregate Number of Rooms	4100	291.270453	-0.000092
Aggregate Number of Vehicles Available	4100	119.137265	-0.000069
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	26,239,163.003000	0.000007
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	80,041.638490	0.000011
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	26,563.775153	0.000025

Table 3.13. a, b, & c Parameters for Calculating PUMS Standard Errors – Idaho

Characteristics	a	b	c
POPULATION			
Total Population	4,736,524,040.0	-829,366,759.0	36,443,698.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,442.017933	-0.000060
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,030,149.505900	-0.000020
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	711,403.386730	-0.000443
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	10,087,321.805000	-0.000074
Aggregate Family Income Deficit	4100	1,436,778.579400	-0.001255
Aggregate Person Income or Earnings	4100	5,493,767.665700	-0.000067
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units	597,251,399.3	-111,106,525.8	5,197,810.5
Aggregate Number of Rooms	4100	299.389635	-0.000042
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	74,462.743400	-0.000198
Aggregate Value	4100	23,104,474.951000	-0.000056
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.14. a, b, & c Parameters for Calculating PUMS Standard Errors – Illinois

Characteristics	a	b	c
POPULATION			
Total Population	11,367,850,145.0	-2,009,918,715.0	89,035,281.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	865,679.022750	0.000035
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	11,405,749.047000	0.000001
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units	1,761,982,473.0	-327,760,504.0	15,280,553.0
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	26,239,163.003000	0.000007
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	26,563.775153	0.000025

Table 3.15. a, b, & c Parameters for Calculating PUMS Standard Errors – Indiana

Characteristics	a	b	c
POPULATION			
Total Population	8,777,704,377.0	-1,517,189,828.0	65,727,763.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,379.436444	-0.000006
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,620,336.625900	-0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	602,164.572860	0.000404
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	10,260,283.190000	-0.000011
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units	907,924,680.8	-170,566,756.1	8,038,278.2
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	15,035,131.778000	-0.000001
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.16. a, b, & c Parameters for Calculating PUMS Standard Errors – Iowa

Characteristics	a	b	c
POPULATION			
Total Population	9,526,085,675.0	-1,661,605,659.0	72,645,686.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	2,452.595103	-0.000014
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	2,816.694829	-0.000023
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	4,962,396.396600	-0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	342,395.858040	0.001888
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	7,071,773.109600	-0.000015
Aggregate Family Income Deficit	4100	1,356,005.999800	-0.001027
Aggregate Person Income or Earnings	4100	4,135,259.628500	-0.000022
Aggregate Income Deficit of Unrelated Individuals	4100	549,417.079770	0.000029
HOUSING			
Total Housing Units	1,384,468,145.0	-259,427,403.0	12,189,395.0
Aggregate Number of Rooms	4100	275.360756	-0.000014
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	59,579.722712	-0.000101
Aggregate Value	4100	9,643,145.569200	-0.000009
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	16,703.372182	0.000012

Table 3.17. a, b, & c Parameters for Calculating PUMS Standard Errors – Kansas

Characteristics	a	b	c
POPULATION			
Total Population	4,382,354,860.0	-784,179,364.0	35,239,795.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,009.131419	-0.000062
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	1,051.372106	0.000676
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	2,679.402561	-0.000050
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	4,381,435.300200	-0.000001
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	635,387.321670	0.001707
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	7,412,223.390900	-0.000021
Aggregate Family Income Deficit	4100	1,195,165.511700	-0.000762
Aggregate Person Income or Earnings	4100	4,685,634.234500	-0.000023
Aggregate Income Deficit of Unrelated Individuals	4100	689,066.592190	0.000333
HOUSING			
Total Housing Units	1,308,036,967.0	-239,946,445.0	11,048,395.0
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	11,689,072.762000	-0.000021
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.18. a, b, & c Parameters for Calculating PUMS Standard Errors – Kentucky

Characteristics	a	b	c
POPULATION			
Total Population	5,548,960,976.0	-954,446,035.0	41,230,937.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	1,517.414442	0.000038
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,761.495045	-0.000028
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	5,627,631.957600	-0.000020
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	784,481.291470	0.000031
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	8,867,864.189400	-0.000036
Aggregate Family Income Deficit	4100	1,356,359.261800	-0.000327
Aggregate Person Income or Earnings	4100	4,919,151.381500	-0.000020
Aggregate Income Deficit of Unrelated Individuals	4100	663,004.191620	-0.000023
HOUSING			
Total Housing Units	542,438,418.1	-101,229,480.3	4,754,579.6
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	71,746.162344	-0.000066
Aggregate Value	4100	19,234,564.247000	-0.000027
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.19. a, b, & c Parameters for Calculating PUMS Standard Errors – Louisiana

Characteristics	a	b	c
POPULATION			
Total Population	6,734,661,955.0	-1,138,605,151.0	48,331,536.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,069.337714	0.000023
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	745,004.816080	0.000060
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	10,953,937.572000	-0.000030
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	6,165,422.071900	-0.000027
Aggregate Income Deficit of Unrelated Individuals	4100	792,083.028420	0.000281
HOUSING			
Total Housing Units	1,001,057,308.0	-183,988,280.0	8,485,081.0
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	16,278,981.131000	0.000020
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.20. a, b, & c Parameters for Calculating PUMS Standard Errors – Maine

Characteristics	a	b	c
POPULATION			
Total Population	4,481,752,185.0	-804,947,318.0	36,301,820.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,728.952792	-0.000097
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	5,611,227.503300	-0.000025
Aggregate Household Social Security Income	4100	672,902.923830	-0.000098
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	674,853.919850	-0.000767
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	7,923,021.135400	0.000011
Aggregate Family Income Deficit	4100	1,218,811.246500	-0.000436
Aggregate Person Income or Earnings	4100	5,391,340.779100	-0.000070
Aggregate Income Deficit of Unrelated Individuals	4100	501,696.887980	0.000089
HOUSING			
Total Housing Units	878,971,027.9	-161,852,549.1	7,498,253.7
Aggregate Number of Rooms	4100	302.778074	-0.000045
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	74,695.065630	-0.000224
Aggregate Value	4100	18,928,608.804000	-0.000024
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	80,041.638490	0.000011
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	26,563.775153	0.000025

Table 3.21. a, b, & c Parameters for Calculating PUMS Standard Errors – Maryland

Characteristics	a	b	c
POPULATION			
Total Population	7,170,572,022.0	-1,204,334,493.0	50,829,107.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	769,428.704680	0.000844
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	11,405,749.047000	0.000001
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	6,219,438.832100	-0.000001
Aggregate Income Deficit of Unrelated Individuals	4100	878,825.765620	0.000703
HOUSING			
Total Housing Units	968,488,214.3	-175,053,513.0	7,941,269.3
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	26,239,163.003000	0.000007
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	80,041.638490	0.000011
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.22. a, b, & c Parameters for Calculating PUMS Standard Errors – Massachusetts

Characteristics	a	b	c
POPULATION			
Total Population	5,216,883,524.0	-916,878,007.0	40,533,061.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	865,679.022750	0.000035
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	11,405,749.047000	0.000001
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units	627,225,243.1	-119,876,119.9	5,762,242.2
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	26,239,163.003000	0.000007
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	80,041.638490	0.000011
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	26,563.775153	0.000025

Table 3.23. a, b, & c Parameters for Calculating PUMS Standard Errors – Michigan

Characteristics	a	b	c
POPULATION			
Total Population	22,644,608,633.0	-3,818,772,928.0	161,298,892.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	2,700.033680	-0.000009
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,453.997606	-0.000018
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,119,823.677700	-0.000002
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	865,679.022750	0.000035
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	10,023,742.495000	-0.000011
Aggregate Family Income Deficit	4100	1,370,416.405000	-0.000050
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units	2,043,871,318.0	-370,628,995.0	16,852,087.0
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	19,155,554.847000	-0.000012
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	80,041.638490	0.000011
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.24. a, b, & c Parameters for Calculating PUMS Standard Errors – Minnesota

Characteristics	a	b	c
POPULATION			
Total Population	19,764,729,208.0	-3,369,662,218.0	143,983,314.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	2,978.138113	-0.000025
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	5,366,541.982500	-0.000009
Aggregate Household Social Security Income	4100	675,373.424400	0.000003
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	229,674.886290	0.001596
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	8,525,301.638800	-0.000021
Aggregate Family Income Deficit	4100	1,381,435.191400	-0.000361
Aggregate Person Income or Earnings	4100	6,142,935.374000	-0.000018
Aggregate Income Deficit of Unrelated Individuals	4100	757,359.868210	-0.000002
HOUSING			
Total Housing Units	2,029,007,178.0	-369,754,587.0	16,904,176.0
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	19,080,329.952000	-0.000013
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	80,041.638490	0.000011
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.25. a, b, & c Parameters for Calculating PUMS Standard Errors – Mississippi

Characteristics	a	b	c
POPULATION			
Total Population	3,031,171,899.0	-531,817,193.0	23,440,261.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,018,560.603500	-0.000028
Aggregate Household Social Security Income	4100	223,619.588370	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	785,900.432220	-0.000196
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	8,913,000.053200	-0.000052
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	5,128,509.756400	-0.000026
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units	328,323,146.4	-62,207,581.2	2,964,304.9
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	74,518.181022	-0.000168
Aggregate Value	4100	18,271,583.108000	-0.000052
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.26. a, b, & c Parameters for Calculating PUMS Standard Errors – Missouri

Characteristics	a	b	c
POPULATION			
Total Population	8,310,030,161.0	-1,417,033,894.0	60,659,449.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	2,896.822922	0.000001
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,590.636636	-0.000014
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	5,696,605.208700	-0.000016
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	865,679.022750	0.000035
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	8,455,615.977300	-0.000030
Aggregate Family Income Deficit	4100	1,331,600.907100	-0.000046
Aggregate Person Income or Earnings	4100	5,311,581.249000	-0.000020
Aggregate Income Deficit of Unrelated Individuals	4100	811,840.710430	0.000102
HOUSING			
Total Housing Units	1,127,870,801.0	-203,228,038.0	9,201,398.0
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	18,801,143.056000	-0.000039
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.27. a, b, & c Parameters for Calculating PUMS Standard Errors – Montana

Characteristics	a	b	c
POPULATION			
Total Population	4,603,665,736.0	-831,317,044.0	37,650,320.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,196.339527	-0.000134
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	4,944,802.091200	-0.000047
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	865,679.022750	0.000035
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	6,636,377.739300	-0.000050
Aggregate Family Income Deficit	4100	1,092,082.872400	-0.001110
Aggregate Person Income or Earnings	4100	5,035,482.586100	-0.000069
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units	1,061,522,807.0	-192,738,777.0	8,793,674.0
Aggregate Number of Rooms	4100	232.065120	-0.000064
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	50,946.331988	0.000068
Aggregate Value	4100	17,937,918.513000	-0.000065
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.28. a, b, & c Parameters for Calculating PUMS Standard Errors – Nebraska

Characteristics	a	b	c
POPULATION			
Total Population	4,706,788,330.0	-832,893,205.0	37,098,336.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	2,226.841427	-0.000037
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	1,844.434582	-0.000022
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	4,287,486.634600	-0.000008
Aggregate Household Social Security Income	4100	675,373.424400	0.000003
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	420,059.319020	0.001107
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	5,655,246.918300	-0.000030
Aggregate Family Income Deficit	4100	1,104,332.421700	-0.000749
Aggregate Person Income or Earnings	4100	3,814,206.814600	-0.000028
Aggregate Income Deficit of Unrelated Individuals	4100	723,906.413630	0.001116
HOUSING			
Total Housing Units	525,887,758.8	-99,300,235.1	4,735,887.1
Aggregate Number of Rooms	4100	283.117693	-0.000035
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	55,655.979115	-0.000048
Aggregate Value	4100	10,839,628.445000	-0.000016
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	26,563.775153	0.000025

Table 3.29. a, b, & c Parameters for Calculating PUMS Standard Errors – Nevada

Characteristics	a	b	c
POPULATION			
Total Population	1,260,817,323.0	-225,907,606.0	10,446,728.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	798,214.974810	0.000050
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	11,405,749.047000	0.000001
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	960,940.144800	0.000109
HOUSING			
Total Housing Units	90,945,511.6	-19,193,793.4	1,037,660.1
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	26,239,163.003000	0.000007
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	80,041.638490	0.000011
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.30. a, b, & c Parameters for Calculating PUMS Standard Errors – New Hampshire

Characteristics	a	b	c
POPULATION			
Total Population	3,392,860,675.0	-583,901,675.0	25,310,995.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,132.377057	-0.000049
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	5,262,799.447600	-0.000028
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	865,679.022750	0.000035
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	8,108,259.564300	-0.000024
Aggregate Family Income Deficit	4100	1,480,142.374400	-0.003029
Aggregate Person Income or Earnings	4100	5,070,250.745500	-0.000068
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units	709,051,397.0	-129,718,827.5	5,966,204.3
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	23,023,476.642000	-0.000070
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	80,041.638490	0.000011
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	30,881.751247	0.000005

Table 3.31. a, b, & c Parameters for Calculating PUMS Standard Errors – New Jersey

Characteristics	a	b	c
POPULATION			
Total Population	8,512,844,469.0	-1,460,747,997.0	62,954,429.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	756,805.760020	0.000428
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	11,405,749.047000	0.000001
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units	990,864,909.6	-181,945,141.3	8,391,923.1
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	26,239,163.003000	0.000007
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	80,041.638490	0.000011
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	30,881.751247	0.000005

Table 3.32. a, b, & c Parameters for Calculating PUMS Standard Errors – New Mexico

Characteristics	a	b	c
POPULATION			
Total Population	7,241,370,762.0	-1,218,270,009.0	51,435,562.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,097,557.436400	-0.000024
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	865,679.022750	0.000035
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	9,864,746.030900	-0.000078
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	6,035,507.587000	-0.000048
Aggregate Income Deficit of Unrelated Individuals	4100	927,732.084290	0.000002
HOUSING			
Total Housing Units	729,264,360.5	-133,668,747.9	6,158,468.6
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	19,173,948.816000	-0.000050
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.33. a, b, & c Parameters for Calculating PUMS Standard Errors – New York

Characteristics	a	b	c
POPULATION			
Total Population	15,379,786,863.0	-2,685,116,148.0	117,450,635.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	1,705.550957	0.000098
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	679,592.805470	0.000087
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	11,405,749.047000	0.000001
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units	1,333,770,772.0	-249,576,509.0	11,713,946.0
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	26,239,163.003000	0.000007
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	80,041.638490	0.000011
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	26,563.775153	0.000025

Table 3.34. a, b, & c Parameters for Calculating PUMS Standard Errors – North Carolina

Characteristics	a	b	c
POPULATION			
Total Population	8,106,014,402.0	-1,370,243,802.0	58,059,270.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,616,824.170300	-0.000001
Aggregate Household Social Security Income	4100	521,384.028520	0.000009
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	822,972.904490	0.000062
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	10,332,245.213000	-0.000018
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	4,863,328.134000	-0.000001
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units	1,014,381,500.0	-182,855,007.0	8,268,355.0
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	22,836,516.817000	-0.000014
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.35. a, b, & c Parameters for Calculating PUMS Standard Errors – North Dakota

Characteristics	a	b	c
POPULATION			
Total Population	-442,752,966.6	28,133,699.9	1,090,089.4
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,165.952934	-0.000145
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	4,386,886.344800	-0.000069
Aggregate Household Social Security Income	4100	675,373.424400	0.000003
Aggregate Household Retirement Income	4100	1,310,222.291500	-0.000243
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	742,598.231340	-0.002841
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	6,315,425.162600	-0.000058
Aggregate Family Income Deficit	4100	1,006,547.349400	-0.000016
Aggregate Person Income or Earnings	4100	3,067,082.579000	-0.000077
Aggregate Income Deficit of Unrelated Individuals	4100	538,243.987780	-0.000692
HOUSING			
Total Housing Units	278,997,490.6	-55,075,881.7	2,751,312.3
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	105.267380	-0.000107
Aggregate Rent	4100	28,045.549004	0.000233
Aggregate Value	4100	6,565,662.342900	-0.000014
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.36. a, b, & c Parameters for Calculating PUMS Standard Errors – Ohio

Characteristics	a	b	c
POPULATION			
Total Population	14,816,113,126.0	-2,535,978,999.0	108,720,899.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,919.332567	-0.000018
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	5,603,267.316600	-0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	712,593.401530	0.000015
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	9,658,168.482100	-0.000017
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	788,732.396590	0.000232
HOUSING			
Total Housing Units	1,790,244,946.0	-330,590,811.0	15,296,290.0
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	14,985,465.165000	-0.000005
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.37. a, b, & c Parameters for Calculating PUMS Standard Errors – Oklahoma

Characteristics	a	b	c
POPULATION			
Total Population	7,810,583,667.0	-1,355,191,600.0	58,947,999.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,232.645981	-0.000027
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,273.360376	-0.000032
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,489,162.458400	-0.000014
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	522,156.723820	0.000799
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	10,509,595.487000	-0.000046
Aggregate Family Income Deficit	4100	1,410,165.960800	-0.000261
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	720,610.676540	0.000077
HOUSING			
Total Housing Units	831,887,114.7	-156,936,710.8	7,427,210.0
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	66,923.259222	-0.000104
Aggregate Value	4100	11,580,345.634000	0.000002
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.38. a, b, & c Parameters for Calculating PUMS Standard Errors – Oregon

Characteristics	a	b	c
POPULATION			
Total Population	4,999,753,100.0	-857,887,600.0	37,006,211.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	462,423.341560	0.000030
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	865,679.022750	0.000035
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	11,405,749.047000	0.000001
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units	650,731,641.9	-120,333,901.0	5,597,043.7
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	24,667,620.161000	-0.000037
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.39. a, b, & c Parameters for Calculating PUMS Standard Errors – Pennsylvania

Characteristics	a	b	c
POPULATION			
Total Population	15,345,259,754.0	-2,652,224,134.0	114,856,814.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	5,842,232.414000	-0.000003
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	786,246.257810	0.000154
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	10,221,013.436000	-0.000012
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	5,449,097.014700	-0.000006
Aggregate Income Deficit of Unrelated Individuals	4100	592,061.994420	0.000268
HOUSING			
Total Housing Units	2,671,872,009.0	-489,681,677.0	22,483,851.0
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	21,652,954.111000	-0.000011
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	80,041.638490	0.000011
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	26,563.775153	0.000025

Table 3.40. a, b, & c Parameters for Calculating PUMS Standard Errors – Rhode Island

Characteristics	a	b	c
POPULATION			
Total Population	-1,410,883,453.0	174,291,826.0	-4,448,021.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,565.447660	-0.000132
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,489.222506	-0.000160
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	7,031,214.236000	-0.000068
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	711,763.933370	0.002429
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	10,713,211.683000	-0.000118
Aggregate Family Income Deficit	4100	1,376,369.219300	-0.000955
Aggregate Person Income or Earnings	4100	6,053,722.365200	-0.000090
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units	154,769,236.5	-33,325,364.8	1,778,019.6
Aggregate Number of Rooms	4100	308.431551	-0.000100
Aggregate Number of Vehicles Available	4100	141.829114	-0.000109
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	24,798,351.711000	-0.000105
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	63,560.252164	0.000071
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	26,563.775153	0.000025

Table 3.41. a, b, & c Parameters for Calculating PUMS Standard Errors – South Carolina

Characteristics	a	b	c
POPULATION			
Total Population	4,614,062,016.0	-788,605,414.0	33,838,398.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,280,820.588800	-0.000011
Aggregate Household Social Security Income	4100	389,394.085820	0.000057
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	865,679.022750	0.000035
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	9,574,551.074300	-0.000034
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	927,732.084290	0.000002
HOUSING			
Total Housing Units	520,180,193.6	-96,043,768.3	4,459,852.6
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	26,239,163.003000	0.000007
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.42. a, b, & c Parameters for Calculating PUMS Standard Errors – South Dakota

Characteristics	a	b	c
POPULATION			
Total Population	3,604,075,753.0	-666,040,438.0	30,863,760.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	2,643.792793	-0.000116
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	1,921.228702	-0.000020
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	675,373.424400	0.000003
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	456,158.281650	0.001433
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	8,078,506.393600	-0.000153
Aggregate Family Income Deficit	4100	1,072,228.062600	-0.001905
Aggregate Person Income or Earnings	4100	6,440,177.787700	-0.000167
Aggregate Income Deficit of Unrelated Individuals	4100	478,385.316100	0.000117
HOUSING			
Total Housing Units	673,216,621.8	-127,926,865.2	6,114,744.1
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	38,254.345845	-0.000062
Aggregate Value	4100	11,835,417.704000	-0.000115
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	26,563.775153	0.000025

Table 3.43. a, b, & c Parameters for Calculating PUMS Standard Errors – Tennessee

Characteristics	a	b	c
POPULATION			
Total Population	8,591,228,824.0	-1,459,990,277.0	62,211,190.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	2,058.133114	0.000015
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	865,679.022750	0.000035
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	9,409,443.425900	-0.000008
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	4,419,100.998700	0.000006
Aggregate Income Deficit of Unrelated Individuals	4100	827,076.962870	0.000096
HOUSING			
Total Housing Units	994,810,178.1	-181,685,891.3	8,326,069.1
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	16,945,122.788000	0.000002
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.44. a, b, & c Parameters for Calculating PUMS Standard Errors – Texas

Characteristics	a	b	c
POPULATION			
Total Population	13,282,657,042.0	-2,289,913,789.0	98,973,478.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	573,388.439500	0.000103
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	11,405,749.047000	0.000001
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units	1,470,275,377.0	-272,849,917.0	12,694,391.0
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	17,724,474.965000	-0.000002
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.45. a, b, & c Parameters for Calculating PUMS Standard Errors – Utah

Characteristics	a	b	c
POPULATION			
Total Population	9,702,671,749.0	-1,621,358,858.0	68,071,765.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	2,406.161241	-0.000043
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	1,236.542752	0.000653
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,391.954799	-0.000086
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	5,101,133.740000	-0.000026
Aggregate Household Social Security Income	4100	552,166.515120	-0.000058
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	865,679.022750	0.000035
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	8,827,658.118800	-0.000077
Aggregate Family Income Deficit	4100	1,288,689.542400	-0.000725
Aggregate Person Income or Earnings	4100	4,624,187.442900	-0.000023
Aggregate Income Deficit of Unrelated Individuals	4100	848,562.183840	0.000021
HOUSING			
Total Housing Units	723,078,356.9	-133,946,605.8	6,238,724.1
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	16,910,237.195000	-0.000042
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	80,041.638490	0.000011
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.46. a, b, & c Parameters for Calculating PUMS Standard Errors – Vermont

Characteristics	a	b	c
POPULATION			
Total Population	-8,683,132,913.0	1,316,241,551.0	-48,967,640.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	1,733.915783	-0.000012
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	4,929,714.248600	0.000006
Aggregate Household Social Security Income	4100	675,373.424400	0.000003
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	865,679.022750	0.000035
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	7,049,152.414700	-0.000132
Aggregate Family Income Deficit	4100	685,348.190890	0.001350
Aggregate Person Income or Earnings	4100	3,734,294.391700	0.000023
Aggregate Income Deficit of Unrelated Individuals	4100	763,628.981490	-0.000948
HOUSING			
Total Housing Units	-3,186,325,357.0	522,830,965.0	-21,231,048.0
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	42,818.377799	0.000095
Aggregate Value	4100	26,239,163.003000	0.000007
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	80,041.638490	0.000011
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	30,881.751247	0.000005

Table 3.47. a, b, & c Parameters for Calculating PUMS Standard Errors – Virginia

Characteristics	a	b	c
POPULATION			
Total Population	4,937,597,721.0	-843,604,924.0	36,178,871.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	835,442.036850	0.000194
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	10,944,724.747000	-0.000003
Aggregate Family Income Deficit	4100	1,274,641.041700	-0.000117
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	702,086.397080	0.000443
HOUSING			
Total Housing Units	956,706,720.7	-172,920,291.5	7,841,419.4
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	26,239,163.003000	0.000007
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.48. a, b, & c Parameters for Calculating PUMS Standard Errors – Washington

Characteristics	a	b	c
POPULATION			
Total Population	10,377,343,647.0	-1,742,313,603.0	73,386,420.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,729,172.004600	0.000004
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	293,657.216560	0.001287
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	11,405,749.047000	0.000001
Aggregate Family Income Deficit	4100	1,186,274.233000	0.000142
Aggregate Person Income or Earnings	4100	6,248,719.592600	0.000003
Aggregate Income Deficit of Unrelated Individuals	4100	774,022.219690	0.000150
HOUSING			
Total Housing Units	1,080,440,521.0	-197,821,073.0	9,092,528.0
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	73,335.393375	0.000017
Aggregate Value	4100	26,239,163.003000	0.000007
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	80,041.638490	0.000011
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.49. a, b, & c Parameters for Calculating PUMS Standard Errors – West Virginia

Characteristics	a	b	c
POPULATION			
Total Population	2,552,962,421.0	-449,314,142.0	19,888,317.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,661.347228	-0.000038
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	325.259447	0.001887
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	5,680,188.356600	-0.000001
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	755,460.197930	0.000048
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	6,307,871.453900	-0.000024
Aggregate Family Income Deficit	4100	1,131,764.286500	-0.000105
Aggregate Person Income or Earnings	4100	4,803,587.958400	0.000009
Aggregate Income Deficit of Unrelated Individuals	4100	705,874.118990	0.000062
HOUSING			
Total Housing Units	459,025,700.7	-84,844,054.9	3,947,326.6
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	127.574220	-0.000033
Aggregate Rent	4100	58,879.105408	-0.000129
Aggregate Value	4100	14,389,246.405000	-0.000006
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.50. a, b, & c Parameters for Calculating PUMS Standard Errors – Wisconsin

Characteristics	a	b	c
POPULATION			
Total Population	19,826,053,299.0	-3,312,456,595.0	138,707,283.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	2,286.435685	-0.000009
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	4,721,110.592600	-0.000014
Aggregate Household Social Security Income	4100	675,373.424400	0.000003
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	865,679.022750	0.000035
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	6,883,810.002200	-0.000022
Aggregate Family Income Deficit	4100	1,428,004.095500	0.000050
Aggregate Person Income or Earnings	4100	4,624,726.416400	-0.000015
Aggregate Income Deficit of Unrelated Individuals	4100	712,827.783580	-0.000148
HOUSING			
Total Housing Units	2,370,602,661.0	-424,543,611.0	19,063,363.0
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	72,188.806721	-0.000056
Aggregate Value	4100	14,191,982.928000	-0.000017
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	80,041.638490	0.000011
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	26,563.775153	0.000025

Table 3.51. a, b, & c Parameters for Calculating PUMS Standard Errors – Wyoming

Characteristics	a	b	c
POPULATION			
Total Population	3,608,515,156.0	-614,402,980.0	26,308,891.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	785.262494	0.000012
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,298.770442	-0.000123
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	4,071,765.371800	-0.000060
Aggregate Household Social Security Income	4100	619,945.739750	-0.000152
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	758,683.337840	0.005436
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	6,357,764.543300	-0.000239
Aggregate Family Income Deficit	4100	884,665.822490	-0.000949
Aggregate Person Income or Earnings	4100	2,776,100.122600	-0.000024
Aggregate Income Deficit of Unrelated Individuals	4100	357,912.511800	0.003144
HOUSING			
Total Housing Units	761,926,570.2	-137,619,427.3	6,242,456.7
Aggregate Number of Rooms	4100	222.702842	-0.000081
Aggregate Number of Vehicles Available	4100	126.118058	-0.000111
Aggregate Rent	4100	71,097.279143	-0.000432
Aggregate Value	4100	25,494,741.175000	-0.000215
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 3.52. a, b, & c Parameters for Calculating PUMS Standard Errors – Puerto Rico

Characteristics	a	b	c
POPULATION			
Total Population	6,798,923,878.0	-1,157,925,819.0	49,487,124.0
Aggregate Travel Time to Work (In Minutes)- Total	4100	3,655.508282	-0.000002
Aggregate Travel Time to Work (In Minutes) by Travel Time to Work	4100	1,109.237822	0.000652
Aggregate Travel Time to Work (In Minutes) by Means of Transportation	4100	3,959.936887	-0.000003
Aggregate Household Income, Earnings, Wages/Salary, Self-Employment, Interest, Dividends, or Net Rental Income	4100	6,003,614.135200	-0.000062
Aggregate Household Social Security Income	4100	578,657.830270	0.000004
Aggregate Household Retirement Income	4100	1,390,042.092600	0.000010
Aggregate Household Supplemental Security Income, Public Assistance Income, or Food Stamp Benefits	4100	303,955.604940	-0.000029
Aggregate Household Other Types of Income	4100	1,351,394.033100	0.000188
Aggregate Family or Nonfamily Income	4100	6,763,133.433500	-0.000064
Aggregate Family Income Deficit	4100	754,546.252920	0.000087
Aggregate Person Income or Earnings	4100	5,413,832.477100	-0.000050
Aggregate Income Deficit of Unrelated Individuals	4100	650,273.694040	0.000067
HOUSING			
Total Housing Units	641,354,918.4	-121,023,738.8	5,730,811.9
Aggregate Number of Rooms	4100	287.003538	-0.000002
Aggregate Number of Vehicles Available	4100	121.910864	-0.000001
Aggregate Rent	4100	50,217.716163	-0.000068
Aggregate Value	4100	15,333,866.650000	-0.000042
Aggregate Selected Monthly Owner Costs- Total and With a Mortgage	4100	34,311.972650	0.000004
Aggregate Selected Monthly Owner Costs- Without a Mortgage	4100	13,196.256768	0.000006

Table 4. a & b parameters for Calculating PUMS Standard Errors – United States

Characteristics	a	b
POPULATION		
Average Household Size	0.000686	-0.000027
Median Age	0.065958	-0.003039
Median Age by Sex	0.083961	-0.003943
Birth Rate (per 1,000 women)	2.025051	-0.056571
Mean Travel Time to Work (In Minutes)	0.649350	-0.034317
Median Household Income	311,008.260870	-16,574.076130
Mean Household Income (Total or Earnings)	128,019.162340	-6,558.218199
Mean Household Income (Social Security)	6,785.404018	-383.912575
Mean Household Income (Retirement)	71,301.307575	-4,149.923073
Mean Household Income (Supplemental Security)	15,833.408812	-1,012.155047
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	20,623.638708	-1,243.874268
Median Family Income	792,626.350940	-43,430.461980
Median Nonfamily Income	1,087,180.216300	-62,148.065060
Mean Family & Nonfamily Income	185,784.655220	-9,694.421864
Median Person Earnings	24,622.676992	-1,245.062987
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	2.101371	-0.059086
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	15.421779	-0.799153
Median Gross Rent as a Percentage of Household Income	0.079276	-0.003991
Median Value	976,435.296680	-51,778.948790
Median Selected Monthly Owner Costs	9.674259	-0.478609
Median Selected Monthly Owner Costs as a Percentage of Household Income	0.018582	-0.000474

Table 4.1. a & b parameters for Calculating PUMS Standard Errors – Alabama

Characteristics	a	b
POPULATION		
Average Household Size	0.016514	-0.001140
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	621.546917	-44.096509
Mean Travel Time to Work (In Minutes)	3.389421	-0.232127
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	15,030,907.274000	-1,035,398.765000
Mean Household Income (Social Security)	879,012.572760	-65,937.364380
Mean Household Income (Retirement)	4,874,458.053600	-378,943.471100
Mean Household Income (Supplemental Security)	1,565,103.935200	-134,066.077600
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	103,569.316080	-6,567.650901
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	20,472,708.920000	-1,445,489.551000
Median Person Earnings	5,697,470.572600	-374,977.706200
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	2.101371	-0.059086
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	1,630.701543	-123.562645
Median Gross Rent as a Percentage of Household Income	14.665009	-1.117840
Median Value	51,817,364.923000	-3,648,535.235000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.957759	-0.137585

Table 4.2. a & b parameters for Calculating PUMS Standard Errors – Alaska

Characteristics	a	b
POPULATION		
Average Household Size	0.030244	-0.002428
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	753.524242	-59.978390
Mean Travel Time to Work (In Minutes)	2.439257	-0.184079
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	10,639,495.851000	-573,953.119500
Mean Household Income (Social Security)	1,721,779.824400	-155,239.163400
Mean Household Income (Retirement)	18,334,041.284000	-1,648,076.256000
Mean Household Income (Supplemental Security)	1,146,688.067100	-74,916.310860
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	823,005.138440	-74,327.848910
Median Family Income	37,208,339.489000	-2,052,664.691000
Median Nonfamily Income	29,463,889.003000	-1,691,155.212000
Mean Family & Nonfamily Income	15,812,409.634000	-871,892.277700
Median Person Earnings	16,094,240.196000	-1,221,399.532000
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	3.092315	-0.167094
Median Year Householder Moved into Unit	1.487769	-0.039464
Median Gross/Contract Rent	3,621.098292	-301.495773
Median Gross Rent as a Percentage of Household Income	16.155991	-1.397265
Median Value	134,254,300.070000	-10,689,352.020000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.982607	-0.242354

Table 4.3. a & b parameters for Calculating PUMS Standard Errors – Arizona

Characteristics	a	b
POPULATION		
Average Household Size	0.026612	-0.001807
Median Age	4.005778	-0.205124
Median Age by Sex	5.093323	-0.270294
Birth Rate (per 1,000 women)	776.570188	-54.455422
Mean Travel Time to Work (In Minutes)	3.227697	-0.217687
Median Household Income	37,505,418.143000	-2,557,360.102000
Mean Household Income (Total or Earnings)	18,733,004.705000	-1,269,184.698000
Mean Household Income (Social Security)	932,805.126760	-69,380.454910
Mean Household Income (Retirement)	10,498,605.958000	-803,812.165300
Mean Household Income (Supplemental Security)	2,797,439.381900	-250,038.097200
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	1,487,460.384200	-121,192.337300
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	29,463,889.003000	-1,691,155.212000
Mean Family & Nonfamily Income	30,732,471.448000	-2,139,616.735000
Median Person Earnings	6,431,770.054500	-418,546.970300
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	2.827567	-0.123907
Median Year Householder Moved into Unit	1.363105	-0.024860
Median Gross/Contract Rent	2,699.814725	-199.900707
Median Gross Rent as a Percentage of Household Income	14.337244	-1.063816
Median Value	57,563,087.130000	-3,173,994.575000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.513106	-0.174307

Table 4.4. a & b parameters for Calculating PUMS Standard Errors – Arkansas

Characteristics	a	b
POPULATION		
Average Household Size	0.018370	-0.001314
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	803.039177	-59.297218
Mean Travel Time to Work (In Minutes)	3.014679	-0.212989
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	13,621,840.388000	-971,277.973800
Mean Household Income (Social Security)	716,620.139430	-55,336.433290
Mean Household Income (Retirement)	5,983,728.303900	-486,088.340600
Mean Household Income (Supplemental Security)	1,237,221.386700	-110,753.342200
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	2,033,145.527200	-169,401.827300
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	17,487,488.721000	-1,279,697.893000
Median Person Earnings	3,770,229.498000	-257,119.388300
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.018665	-0.000617
Median Year Built	3.485972	-0.177089
Median Year Householder Moved into Unit	1.450430	-0.032406
Median Gross/Contract Rent	1,413.353140	-109.920087
Median Gross Rent as a Percentage of Household Income	14.716100	-1.150095
Median Value	37,357,889.002000	-2,741,680.179000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.881234	-0.137396

Table 4.5. a & b parameters for Calculating PUMS Standard Errors – California

Characteristics	a	b
POPULATION		
Average Household Size	0.019218	-0.001172
Median Age	4.005778	-0.205124
Median Age by Sex	5.093323	-0.270294
Birth Rate (per 1,000 women)	516.221658	-32.146184
Mean Travel Time to Work (In Minutes)	2.808345	-0.169434
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	19,053,509.213000	-1,164,729.794000
Mean Household Income (Social Security)	881,786.515520	-59,268.500300
Mean Household Income (Retirement)	8,027,990.913700	-554,048.590200
Mean Household Income (Supplemental Security)	2,015,593.609300	-151,409.954100
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	1,696,441.789700	-123,992.225900
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	29,463,889.003000	-1,691,155.212000
Mean Family & Nonfamily Income	28,029,532.184000	-1,754,069.056000
Median Person Earnings	6,912,288.965400	-403,736.088500
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.019189	-0.000493
Median Year Built	2.101371	-0.059086
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	2,243.702773	-145.149824
Median Gross Rent as a Percentage of Household Income	7.551972	-0.434493
Median Value	395,852,771.530000	-25,033,447.120000
Median Selected Monthly Owner Costs	2,094.410964	-115.505693
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.462786	-0.155363

Table 4.6. a & b parameters for Calculating PUMS Standard Errors – Colorado

Characteristics	a	b
POPULATION		
Average Household Size	0.023008	-0.001589
Median Age	4.005778	-0.205124
Median Age by Sex	5.093323	-0.270294
Birth Rate (per 1,000 women)	735.216007	-51.993549
Mean Travel Time to Work (In Minutes)	2.817451	-0.192028
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	25,302,462.599000	-1,741,335.176000
Mean Household Income (Social Security)	1,575,859.643500	-122,006.085900
Mean Household Income (Retirement)	15,977,484.077000	-1,265,745.351000
Mean Household Income (Supplemental Security)	1,146,688.067100	-74,916.310860
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	1,617,851.752700	-138,719.556000
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	43,919,319.219000	-3,116,620.055000
Median Person Earnings	3,800,209.374700	-197,634.151100
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.046748	-0.002528
Median Year Built	2.101371	-0.059086
Median Year Householder Moved into Unit	1.140537	-0.009750
Median Gross/Contract Rent	5,361.136758	-401.967184
Median Gross Rent as a Percentage of Household Income	15.971188	-1.199317
Median Value	94,523,325.775000	-6,688,186.754000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.960863	-0.208966

Table 4.7. a & b parameters for Calculating PUMS Standard Errors – Connecticut

Characteristics	a	b
POPULATION		
Average Household Size	0.022010	-0.001550
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	499.152794	-36.105810
Mean Travel Time to Work (In Minutes)	3.115199	-0.215761
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	19,053,509.213000	-1,164,729.794000
Mean Household Income (Social Security)	1,080,025.814200	-83,256.095070
Mean Household Income (Retirement)	4,499,781.966600	-268,230.241200
Mean Household Income (Supplemental Security)	3,623,324.447600	-338,145.216400
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	927,462.139520	-57,575.214280
Median Family Income	792,626.350940	-43,430.461980
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	28,029,532.184000	-1,754,069.056000
Median Person Earnings	3,800,209.374700	-197,634.151100
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.035610	-0.001808
Median Year Built	3.965245	-0.181032
Median Year Householder Moved into Unit	0.863981	0.009649
Median Gross/Contract Rent	2,243.702773	-145.149824
Median Gross Rent as a Percentage of Household Income	12.904173	-0.992058
Median Value	57,563,087.130000	-3,173,994.575000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	3.053839	-0.219911

Table 4.8. a & b parameters for Calculating PUMS Standard Errors – Delaware

Characteristics	a	b
POPULATION		
Average Household Size	0.026777	-0.002092
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	727.229824	-57.647898
Mean Travel Time to Work (In Minutes)	4.670586	-0.355253
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	21,568,086.933000	-1,609,772.309000
Mean Household Income (Social Security)	1,406,882.087400	-118,059.800600
Mean Household Income (Retirement)	12,636,370.611000	-1,097,168.712000
Mean Household Income (Supplemental Security)	4,785,884.506500	-504,766.234000
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	103,569.316080	-6,567.650901
Median Family Income	37,208,339.489000	-2,052,664.691000
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	25,825,684.881000	-1,945,759.125000
Median Person Earnings	10,783,151.993000	-796,265.857900
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.045021	-0.002729
Median Year Built	2.101371	-0.059086
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	3,510.116577	-299.693390
Median Gross Rent as a Percentage of Household Income	12.242187	-1.047286
Median Value	154,664,739.770000	-12,037,587.910000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.642547	-0.209356

Table 4.9. a & b parameters for Calculating PUMS Standard Errors – District of Columbia

Characteristics	a	b
POPULATION		
Average Household Size	0.037505	-0.002991
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	1,509.829569	-123.958069
Mean Travel Time to Work (In Minutes)	5.732178	-0.447560
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	38,087,735.724000	-2,847,028.472000
Mean Household Income (Social Security)	2,284,885.635600	-202,176.307200
Mean Household Income (Retirement)	36,785,103.096000	-3,298,541.326000
Mean Household Income (Supplemental Security)	3,510,875.826600	-376,427.334500
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	1,664,777.735900	-158,182.950800
Median Family Income	792,626.350940	-43,430.461980
Median Nonfamily Income	29,463,889.003000	-1,691,155.212000
Mean Family & Nonfamily Income	80,653,409.255000	-6,146,898.083000
Median Person Earnings	15,537,698.692000	-1,176,251.577000
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.073385	-0.005057
Median Year Built	5.623311	-0.344911
Median Year Householder Moved into Unit	1.644266	-0.051865
Median Gross/Contract Rent	1,526.924365	-112.551787
Median Gross Rent as a Percentage of Household Income	10.576416	-0.866464
Median Value	665,771,637.900000	-53,329,601.920000
Median Selected Monthly Owner Costs	2,094.410964	-115.505693
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.316370	-0.072080

Table 4.10. a & b parameters for Calculating PUMS Standard Errors – Florida

Characteristics	a	b
POPULATION		
Average Household Size	0.009913	-0.000525
Median Age	4.005778	-0.205124
Median Age by Sex	5.093323	-0.270294
Birth Rate (per 1,000 women)	637.014591	-41.702608
Mean Travel Time to Work (In Minutes)	3.109678	-0.195935
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	19,053,509.213000	-1,164,729.794000
Mean Household Income (Social Security)	851,428.311480	-58,016.245090
Mean Household Income (Retirement)	4,499,781.966600	-268,230.241200
Mean Household Income (Supplemental Security)	1,146,688.067100	-74,916.310860
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	927,462.139520	-57,575.214280
Median Family Income	37,208,339.489000	-2,052,664.691000
Median Nonfamily Income	29,463,889.003000	-1,691,155.212000
Mean Family & Nonfamily Income	28,029,532.184000	-1,754,069.056000
Median Person Earnings	6,093,950.678000	-370,129.789900
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	2.101371	-0.059086
Median Year Householder Moved into Unit	1.347219	-0.022020
Median Gross/Contract Rent	1,272.607951	-73.225656
Median Gross Rent as a Percentage of Household Income	16.532255	-1.135405
Median Value for Mobile Homes	123,606,021.920000	-7,729,840.748000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.462786	-0.155363

Table 4.11. a & b parameters for Calculating PUMS Standard Errors – Georgia

Characteristics	a	b
POPULATION		
Average Household Size	0.020516	-0.001353
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	587.710150	-39.770817
Mean Travel Time to Work (In Minutes)	4.022057	-0.263252
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	19,821,800.353000	-1,312,401.623000
Mean Household Income (Social Security)	1,242,414.367000	-91,314.418250
Mean Household Income (Retirement)	10,810,802.264000	-819,023.492600
Mean Household Income (Supplemental Security)	2,276,954.175200	-192,974.211200
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	20,623.638708	-1,243.874268
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	26,802,341.997000	-1,816,702.760000
Median Person Earnings	7,186,249.212100	-456,160.401600
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.019189	-0.000493
Median Year Built	2.101371	-0.059086
Median Year Householder Moved into Unit	1.299565	-0.019950
Median Gross/Contract Rent	1,983.342679	-142.165174
Median Gross Rent as a Percentage of Household Income	7.551972	-0.434493
Median Value	67,490,768.488000	-4,597,131.359000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.477095	-0.168119

Table 4.12. a & b parameters for Calculating PUMS Standard Errors – Hawaii

Characteristics	a	b
POPULATION		
Average Household Size	0.044447	-0.003406
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	855.171066	-66.353512
Mean Travel Time to Work (In Minutes)	4.283032	-0.317253
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	30,440,914.987000	-2,301,241.828000
Mean Household Income (Social Security)	1,214,678.316600	-100,776.546200
Mean Household Income (Retirement)	11,317,628.538000	-958,961.270200
Mean Household Income (Supplemental Security)	4,756,168.208700	-486,650.016700
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	4,774,629.028700	-448,738.021100
Median Family Income	37,208,339.489000	-2,052,664.691000
Median Nonfamily Income	29,463,889.003000	-1,691,155.212000
Mean Family & Nonfamily Income	44,664,846.196000	-3,455,935.973000
Median Person Earnings	5,561,691.178600	-387,558.372900
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	3.797054	-0.213445
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	16,734.832513	-1,381.433504
Median Gross Rent as a Percentage of Household Income	17.472977	-1.422787
Median Value	920,519,052.430000	-72,398,750.870000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.316370	-0.072080

Table 4.13. a & b parameters for Calculating PUMS Standard Errors – Idaho

Characteristics	a	b
POPULATION		
Average Household Size	0.020269	-0.001523
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	542.787908	-41.428263
Mean Travel Time to Work (In Minutes)	3.479667	-0.255493
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	15,866,183.418000	-1,162,988.576000
Mean Household Income (Social Security)	1,223,418.687300	-100,394.107000
Mean Household Income (Retirement)	9,103,293.926600	-782,420.783900
Mean Household Income (Supplemental Security)	1,790,225.524600	-175,485.867400
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	2,057,592.593000	-187,582.672900
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	21,592,715.262000	-1,616,602.184000
Median Person Earnings	4,495,463.843600	-320,403.084600
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	2.101371	-0.059086
Median Year Householder Moved into Unit	0.363083	0.048307
Median Gross/Contract Rent	3,073.244292	-255.163266
Median Gross Rent as a Percentage of Household Income	14.039058	-1.135979
Median Value	68,535,576.031000	-5,222,227.146000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.421989	-0.183766

Table 4.14. a & b parameters for Calculating PUMS Standard Errors – Illinois

Characteristics	a	b
POPULATION		
Average Household Size	0.009913	-0.000525
Median Age	0.082470	-0.003720
Median Age by Sex	5.093323	-0.270294
Birth Rate (per 1,000 women)	563.946709	-37.488483
Mean Travel Time to Work (In Minutes)	2.807472	-0.179574
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	10,639,495.851000	-573,953.119500
Mean Household Income (Social Security)	1,047,416.007600	-74,604.884040
Mean Household Income (Retirement)	4,499,781.966600	-268,230.241200
Mean Household Income (Supplemental Security)	1,146,688.067100	-74,916.310860
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	20,623.638708	-1,243.874268
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	15,812,409.634000	-871,892.277700
Median Person Earnings	3,800,209.374700	-197,634.151100
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	2.635977	-0.087767
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	1,272.607951	-73.225656
Median Gross Rent as a Percentage of Household Income	7.551972	-0.434493
Median Value	13,613,613.556000	-758,618.733100
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.316370	-0.072080

Table 4.15. a & b parameters for Calculating PUMS Standard Errors – Indiana

Characteristics	a	b
POPULATION		
Average Household Size	0.015768	-0.001065
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	482.890839	-33.659784
Mean Travel Time to Work (In Minutes)	2.487429	-0.166447
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	19,710,268.734000	-1,333,124.509000
Mean Household Income (Social Security)	762,420.641050	-56,652.449850
Mean Household Income (Retirement)	4,500,043.499000	-343,230.387900
Mean Household Income (Supplemental Security)	2,397,354.495800	-210,102.997000
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	103,569.316080	-6,567.650901
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	26,900,650.923000	-1,865,661.797000
Median Person Earnings	5,066,794.673400	-329,081.786100
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	3.965245	-0.181032
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	1,901.499320	-141.243229
Median Gross Rent as a Percentage of Household Income	16.495354	-1.225553
Median Value	28,171,220.202000	-1,943,715.175000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.624525	-0.112100

Table 4.16. a & b parameters for Calculating PUMS Standard Errors – Iowa

Characteristics	a	b
POPULATION		
Average Household Size	0.002298	-0.000119
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	292.426297	-16.083288
Mean Travel Time to Work (In Minutes)	1.762194	-0.122926
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	12,865,944.482000	-909,023.672400
Mean Household Income (Social Security)	668,029.724540	-51,885.106470
Mean Household Income (Retirement)	3,779,566.844800	-291,347.936300
Mean Household Income (Supplemental Security)	1,470,350.033500	-136,622.444900
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	877,926.359160	-75,156.132200
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	21,934,991.205000	-1,597,808.938000
Median Person Earnings	3,779,262.074400	-256,420.933000
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	3.965245	-0.181032
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	1,347.081102	-105.183709
Median Gross Rent as a Percentage of Household Income	10.361492	-0.805335
Median Value	19,826,325.790000	-1,419,480.102000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.134425	-0.081470

Table 4.17. a & b parameters for Calculating PUMS Standard Errors – Kansas

Characteristics	a	b
POPULATION		
Average Household Size	0.016546	-0.001184
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	595.986633	-43.732515
Mean Travel Time to Work (In Minutes)	1.840529	-0.129478
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	12,135,461.849000	-860,244.856600
Mean Household Income (Social Security)	948,633.650050	-74,306.596660
Mean Household Income (Retirement)	5,477,729.058600	-449,328.579300
Mean Household Income (Supplemental Security)	2,797,966.605000	-262,636.699900
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	1,080,742.870200	-93,903.772740
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	22,696,614.121000	-1,659,497.024000
Median Person Earnings	4,166,897.888500	-283,071.185300
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	2.552747	-0.083624
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	1,484.337051	-116.012083
Median Gross Rent as a Percentage of Household Income	10.067209	-0.786185
Median Value	31,905,618.480000	-2,297,211.261000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.695280	-0.122981

Table 4.18. a & b parameters for Calculating PUMS Standard Errors – Kentucky

Characteristics	a	b
POPULATION		
Average Household Size	0.016259	-0.001128
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	612.303515	-43.821816
Mean Travel Time to Work (In Minutes)	2.812407	-0.194229
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	14,926,368.015000	-1,035,754.773000
Mean Household Income (Social Security)	810,940.432080	-61,024.113490
Mean Household Income (Retirement)	6,040,788.118000	-468,499.643300
Mean Household Income (Supplemental Security)	1,270,364.535100	-108,612.453000
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	103,569.316080	-6,567.650901
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	21,622,901.723000	-1,537,881.429000
Median Person Earnings	5,563,837.279700	-367,884.571200
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	2.635977	-0.087767
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	1,605.561308	-122.610743
Median Gross Rent as a Percentage of Household Income	14.906858	-1.136044
Median Value	37,213,812.801000	-2,624,857.878000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.959675	-0.138373

Table 4.19. a & b parameters for Calculating PUMS Standard Errors – Louisiana

Characteristics	a	b
POPULATION		
Average Household Size	0.025377	-0.001761
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	551.546408	-39.123671
Mean Travel Time to Work (In Minutes)	4.552085	-0.312837
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	22,194,421.884000	-1,538,397.562000
Mean Household Income (Social Security)	906,548.875760	-68,903.885430
Mean Household Income (Retirement)	8,244,704.375800	-650,040.634200
Mean Household Income (Supplemental Security)	1,348,217.751800	-116,484.015800
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	927,462.139520	-57,575.214280
Median Family Income	37,208,339.489000	-2,052,664.691000
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	32,103,960.021000	-2,285,216.187000
Median Person Earnings	8,306,353.498600	-548,825.186900
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	4.088038	-0.213286
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	2,376.672235	-179.905364
Median Gross Rent as a Percentage of Household Income	21.852716	-1.656190
Median Value	63,739,268.329000	-4,527,051.753000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.883647	-0.205227

Table 4.20. a & b parameters for Calculating PUMS Standard Errors – Maine

Characteristics	a	b
POPULATION		
Average Household Size	0.016766	-0.001254
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	580.499898	-44.769041
Mean Travel Time to Work (In Minutes)	4.481111	-0.330285
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	22,050,384.350000	-1,638,910.201000
Mean Household Income (Social Security)	906,295.211590	-73,687.819690
Mean Household Income (Retirement)	8,675,637.613700	-737,889.282800
Mean Household Income (Supplemental Security)	1,976,681.954900	-192,220.532200
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	876,312.600570	-75,899.820140
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	32,072,977.611000	-2,446,490.889000
Median Person Earnings	4,990,028.571700	-354,772.437600
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.019189	-0.000493
Median Year Built	3.965245	-0.181032
Median Year Householder Moved into Unit	1.401404	-0.030402
Median Gross/Contract Rent	2,493.610916	-206.297467
Median Gross Rent as a Percentage of Household Income	17.137778	-1.415113
Median Value	100,933,550.350000	-7,621,359.948000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.331628	-0.178539

Table 4.21. a & b parameters for Calculating PUMS Standard Errors – Maryland

Characteristics	a	b
POPULATION		
Average Household Size	0.024480	-0.001676
Median Age	4.005778	-0.205124
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	532.089588	-37.200896
Mean Travel Time to Work (In Minutes)	4.168817	-0.280043
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	19,053,509.213000	-1,164,729.794000
Mean Household Income (Social Security)	1,262,914.276600	-95,684.995800
Mean Household Income (Retirement)	12,502,384.079000	-955,138.098100
Mean Household Income (Supplemental Security)	1,146,688.067100	-74,916.310860
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	20,623.638708	-1,243.874268
Median Family Income	792,626.350940	-43,430.461980
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	28,029,532.184000	-1,754,069.056000
Median Person Earnings	3,800,209.374700	-197,634.151100
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.027933	-0.000962
Median Year Built	2.552747	-0.083624
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	1,272.607951	-73.225656
Median Gross Rent as a Percentage of Household Income	16.275903	-1.210803
Median Value	103,727,114.240000	-6,510,942.321000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.382337	-0.166641

Table 4.22. a & b parameters for Calculating PUMS Standard Errors – Massachusetts

Characteristics	a	b
POPULATION		
Average Household Size	0.021779	-0.001469
Median Age	4.005778	-0.205124
Median Age by Sex	5.093323	-0.270294
Birth Rate (per 1,000 women)	622.523678	-43.228622
Mean Travel Time to Work (In Minutes)	3.295788	-0.219900
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	31,956,100.221000	-2,156,078.387000
Mean Household Income (Social Security)	1,036,450.013400	-76,799.844700
Mean Household Income (Retirement)	8,771,300.138900	-672,156.110300
Mean Household Income (Supplemental Security)	2,598,931.676700	-222,111.976600
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	927,462.139520	-57,575.214280
Median Family Income	792,626.350940	-43,430.461980
Median Nonfamily Income	29,463,889.003000	-1,691,155.212000
Mean Family & Nonfamily Income	46,996,762.222000	-3,260,270.876000
Median Person Earnings	6,912,288.965400	-403,736.088500
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.025143	-0.000925
Median Year Built	3.965245	-0.181032
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	6,269.014900	-455.128782
Median Gross Rent as a Percentage of Household Income	13.575440	-0.990777
Median Value	239,927,365.080000	-16,716,430.730000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	3.576488	-0.249662

Table 4.23. a & b parameters for Calculating PUMS Standard Errors – Michigan

Characteristics	a	b
POPULATION		
Average Household Size	0.013377	-0.000875
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	492.684803	-33.267925
Mean Travel Time to Work (In Minutes)	1.628176	-0.106004
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	14,189,943.205000	-930,659.330700
Mean Household Income (Social Security)	670,401.360330	-48,041.615140
Mean Household Income (Retirement)	5,099,805.045700	-371,815.254100
Mean Household Income (Supplemental Security)	1,146,688.067100	-74,916.310860
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	927,462.139520	-57,575.214280
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	20,619,393.020000	-1,387,851.055000
Median Person Earnings	3,800,209.374700	-197,634.151100
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	2.101371	-0.059086
Median Year Householder Moved into Unit	0.867644	0.008723
Median Gross/Contract Rent	1,759.153404	-127.339369
Median Gross Rent as a Percentage of Household Income	7.551972	-0.434493
Median Value	13,613,613.556000	-758,618.733100
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.366547	-0.091090

Table 4.24. a & b parameters for Calculating PUMS Standard Errors – Minnesota

Characteristics	a	b
POPULATION		
Average Household Size	0.012919	-0.000883
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	480.847696	-33.789490
Mean Travel Time to Work (In Minutes)	1.574604	-0.106120
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	15,478,692.215000	-1,057,346.891000
Mean Household Income (Social Security)	820,947.037000	-62,130.197420
Mean Household Income (Retirement)	8,924,567.049200	-701,807.511800
Mean Household Income (Supplemental Security)	3,063,831.606000	-278,230.547300
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	1,116,663.318600	-94,655.540660
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	23,557,066.665000	-1,653,828.424000
Median Person Earnings	631,624.888420	-33,327.232830
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.019189	-0.000493
Median Year Built	2.101371	-0.059086
Median Year Householder Moved into Unit	1.423360	-0.029160
Median Gross/Contract Rent	1,729.766167	-131.084965
Median Gross Rent as a Percentage of Household Income	13.673444	-1.042632
Median Value	13,613,613.556000	-758,618.733100
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.389619	-0.095927

Table 4.25. a & b parameters for Calculating PUMS Standard Errors – Mississippi

Characteristics	a	b
POPULATION		
Average Household Size	0.023924	-0.001696
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	813.658351	-59.405352
Mean Travel Time to Work (In Minutes)	5.842364	-0.413289
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	19,430,171.263000	-1,387,390.937000
Mean Household Income (Social Security)	1,045,124.869000	-81,478.431260
Mean Household Income (Retirement)	7,074,741.182800	-577,362.910100
Mean Household Income (Supplemental Security)	875,443.468880	-76,830.734230
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	103,569.316080	-6,567.650901
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	1.000000	500,788.042400
Median Person Earnings	5,964,778.597400	-407,047.184900
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	3.114688	-0.150759
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	3,055.331049	-240.826511
Median Gross Rent as a Percentage of Household Income	35.473098	-2.804669
Median Value	54,806,510.194000	-4,009,911.581000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	3.172295	-0.232114

Table 4.26. a & b parameters for Calculating PUMS Standard Errors – Missouri

Characteristics	a	b
POPULATION		
Average Household Size	0.014146	-0.000958
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	497.271940	-34.796385
Mean Travel Time to Work (In Minutes)	2.391310	-0.160687
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	13,430,872.045000	-912,703.784100
Mean Household Income (Social Security)	734,030.273280	-54,435.961170
Mean Household Income (Retirement)	4,412,536.602600	-336,144.403500
Mean Household Income (Supplemental Security)	2,205,961.966000	-190,665.767700
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	750,393.615710	-57,745.442000
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	19,344,822.961000	-1,351,319.861000
Median Person Earnings	4,564,275.707300	-297,216.269100
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	2.101371	-0.059086
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	1,226.966645	-90.838938
Median Gross Rent as a Percentage of Household Income	13.804863	-1.029509
Median Value	33,373,453.627000	-2,305,101.615000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.591896	-0.110666

Table 4.27. a & b parameters for Calculating PUMS Standard Errors – Montana

Characteristics	a	b
POPULATION		
Average Household Size	0.019461	-0.001508
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	938.170208	-74.434090
Mean Travel Time to Work (In Minutes)	3.294741	-0.248693
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	25,876,868.309000	-1,982,851.297000
Mean Household Income (Social Security)	1,145,728.111800	-96,770.613440
Mean Household Income (Retirement)	6,638,281.785000	-582,245.543500
Mean Household Income (Supplemental Security)	1,146,688.067100	-74,916.310860
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	1,422,721.620100	-120,090.359200
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	34,110,844.797000	-2,678,469.229000
Median Person Earnings	6,247,833.894800	-457,152.389300
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	2.101371	-0.059086
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	2,131.466795	-180.164425
Median Gross Rent as a Percentage of Household Income	19.612710	-1.665858
Median Value	13,613,613.556000	-758,618.733100
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	3.071136	-0.242320

Table 4.28. a & b parameters for Calculating PUMS Standard Errors – Nebraska

Characteristics	a	b
POPULATION		
Average Household Size	0.014690	-0.001080
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	590.401820	-44.760734
Mean Travel Time to Work (In Minutes)	1.571845	-0.113020
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	18,308,060.004000	-1,339,362.812000
Mean Household Income (Social Security)	1,051,596.932700	-85,351.128400
Mean Household Income (Retirement)	7,597,930.689400	-652,211.392300
Mean Household Income (Supplemental Security)	2,257,606.604300	-224,952.755300
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	468,839.534910	-40,990.481640
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	29,144,844.883000	-2,194,732.203000
Median Person Earnings	3,872,915.174100	-271,210.127000
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.019189	-0.000493
Median Year Built	8.180931	-0.529951
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	263.342776	-15.089486
Median Gross Rent as a Percentage of Household Income	7.468699	-0.598091
Median Value	28,847,735.548000	-2,165,406.928000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.738277	-0.130277

Table 4.29. a & b parameters for Calculating PUMS Standard Errors – Nevada

Characteristics	a	b
POPULATION		
Average Household Size	0.031560	-0.002287
Median Age	4.005778	-0.205124
Median Age by Sex	5.093323	-0.270294
Birth Rate (per 1,000 women)	702.242428	-52.010548
Mean Travel Time to Work (In Minutes)	2.942116	-0.208777
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	10,639,495.851000	-573,953.119500
Mean Household Income (Social Security)	1,820,200.711000	-146,052.999900
Mean Household Income (Retirement)	10,383,184.867000	-859,264.138700
Mean Household Income (Supplemental Security)	3,961,818.280300	-383,299.344000
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	2,227,572.234000	-200,549.792200
Median Family Income	37,208,339.489000	-2,052,664.691000
Median Nonfamily Income	29,463,889.003000	-1,691,155.212000
Mean Family & Nonfamily Income	58,603,762.018000	-4,335,657.461000
Median Person Earnings	7,003,914.921200	-479,921.066100
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.016801	-0.000492
Median Year Built	2.566077	-0.113199
Median Year Householder Moved into Unit	1.263491	-0.019208
Median Gross/Contract Rent	1,272.607951	-73.225656
Median Gross Rent as a Percentage of Household Income	11.196806	-0.867400
Median Value	103,727,114.240000	-6,510,942.321000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	4.462215	-0.334033

Table 4.30. a & b parameters for Calculating PUMS Standard Errors – New Hampshire

Characteristics	a	b
POPULATION		
Average Household Size	0.027587	-0.002085
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	692.803031	-53.794356
Mean Travel Time to Work (In Minutes)	4.403174	-0.323632
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	31,362,867.858000	-2,356,207.563000
Mean Household Income (Social Security)	1,715,680.233900	-142,574.960800
Mean Household Income (Retirement)	12,903,217.152000	-1,113,110.824000
Mean Household Income (Supplemental Security)	5,507,991.097200	-561,025.509200
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	927,462.139520	-57,575.214280
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	28,029,532.184000	-1,754,069.056000
Median Person Earnings	10,128,273.511000	-729,413.851800
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.036771	-0.002016
Median Year Built	3.965245	-0.181032
Median Year Householder Moved into Unit	1.502493	-0.038310
Median Gross/Contract Rent	8,592.783553	-722.016548
Median Gross Rent as a Percentage of Household Income	17.661757	-1.479914
Median Value	240,916,436.760000	-18,570,455.490000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	4.566853	-0.352245

Table 4.31. a & b parameters for Calculating PUMS Standard Errors – New Jersey

Characteristics	a	b
POPULATION		
Average Household Size	0.023524	-0.001566
Median Age	0.082470	-0.003720
Median Age by Sex	5.093323	-0.270294
Birth Rate (per 1,000 women)	580.753020	-39.553516
Mean Travel Time to Work (In Minutes)	3.604468	-0.236117
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	19,053,509.213000	-1,164,729.794000
Mean Household Income (Social Security)	1,119,787.409500	-81,432.029940
Mean Household Income (Retirement)	9,640,704.267200	-721,514.460200
Mean Household Income (Supplemental Security)	2,015,593.609300	-151,409.954100
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	927,462.139520	-57,575.214280
Median Family Income	792,626.350940	-43,430.461980
Median Nonfamily Income	29,463,889.003000	-1,691,155.212000
Mean Family & Nonfamily Income	28,029,532.184000	-1,754,069.056000
Median Person Earnings	6,912,288.965400	-403,736.088500
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.032779	-0.001447
Median Year Built	2.552747	-0.083624
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	2,243.702773	-145.149824
Median Gross Rent as a Percentage of Household Income	17.513588	-1.262393
Median Value	286,366,641.590000	-19,526,858.790000
Median Selected Monthly Owner Costs	2,094.410964	-115.505693
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.462786	-0.155363

Table 4.32. a & b parameters for Calculating PUMS Standard Errors – New Mexico

Characteristics	a	b
POPULATION		
Average Household Size	0.027093	-0.001992
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	746.408677	-56.166668
Mean Travel Time to Work (In Minutes)	4.432465	-0.320474
Median Household Income	41,516,290.801000	-3,060,531.144000
Mean Household Income (Total or Earnings)	23,095,906.128000	-1,685,430.054000
Mean Household Income (Social Security)	1,132,367.850800	-90,949.310190
Mean Household Income (Retirement)	8,842,482.110900	-728,446.331100
Mean Household Income (Supplemental Security)	1,519,178.697000	-136,878.507300
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	1,165,296.307100	-99,484.856670
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	33,393,726.492000	-2,515,386.874000
Median Person Earnings	8,567,642.297700	-600,672.559000
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	4.584963	-0.262835
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	3,640.192982	-294.479676
Median Gross Rent as a Percentage of Household Income	22.363305	-1.792839
Median Value	59,632,091.873000	-4,358,422.441000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.816884	-0.210599

Table 4.33. a & b parameters for Calculating PUMS Standard Errors – New York

Characteristics	a	b
POPULATION		
Average Household Size	0.009913	-0.000525
Median Age	4.005778	-0.205124
Median Age by Sex	5.093323	-0.270294
Birth Rate (per 1,000 women)	489.343268	-31.720047
Mean Travel Time to Work (In Minutes)	2.808345	-0.169434
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	10,639,495.851000	-573,953.119500
Mean Household Income (Social Security)	952,628.649540	-65,617.133850
Mean Household Income (Retirement)	4,499,781.966600	-268,230.241200
Mean Household Income (Supplemental Security)	1,467,934.787100	-114,207.648900
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	20,623.638708	-1,243.874268
Median Family Income	792,626.350940	-43,430.461980
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	26,756,929.528000	-1,732,702.084000
Median Person Earnings	3,800,209.374700	-197,634.151100
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.025613	-0.000983
Median Year Built	3.965245	-0.181032
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	1,272.607951	-73.225656
Median Gross Rent as a Percentage of Household Income	12.303574	-0.821142
Median Value	13,613,613.556000	-758,618.733100
Median Selected Monthly Owner Costs	2,094.410964	-115.505693
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.462786	-0.155363

Table 4.34. a & b parameters for Calculating PUMS Standard Errors – North Carolina

Characteristics	a	b
POPULATION		
Average Household Size	0.014003	-0.000919
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	496.771803	-33.862891
Mean Travel Time to Work (In Minutes)	3.024392	-0.198778
Median Household Income	33,428,321.127000	-2,219,791.959000
Mean Household Income (Total or Earnings)	14,837,819.487000	-981,523.673100
Mean Household Income (Social Security)	799,003.045480	-57,945.439390
Mean Household Income (Retirement)	7,088,797.821800	-530,229.798700
Mean Household Income (Supplemental Security)	1,146,688.067100	-74,916.310860
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	927,462.139520	-57,575.214280
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	22,576,030.371000	-1,532,797.584000
Median Person Earnings	4,555,584.458300	-289,583.688100
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.017089	-0.000467
Median Year Built	2.552747	-0.083624
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	1,398.370782	-100.579878
Median Gross Rent as a Percentage of Household Income	14.327163	-1.034740
Median Value	45,936,776.948000	-3,103,204.482000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.155277	-0.145558

Table 4.35. a & b parameters for Calculating PUMS Standard Errors – North Dakota

Characteristics	a	b
POPULATION		
Average Household Size	0.014145	-0.001117
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	732.280014	-59.022207
Mean Travel Time to Work (In Minutes)	3.215772	-0.245727
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	22,800,198.979000	-1,771,935.805000
Mean Household Income (Social Security)	693,401.083370	-58,606.790230
Mean Household Income (Retirement)	8,989,202.396000	-842,508.529200
Mean Household Income (Supplemental Security)	1,732,505.960500	-181,978.715200
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	936,498.965200	-74,782.766730
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	48,992,948.033000	-3,948,667.274000
Median Person Earnings	3,023,555.335000	-223,653.564200
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.042330	-0.002560
Median Year Built	6.226381	-0.413928
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	1,178.865160	-101.054289
Median Gross Rent as a Percentage of Household Income	13.635612	-1.182609
Median Value	28,771,675.598000	-2,309,198.856000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.054516	-0.165506

Table 4.36. a & b parameters for Calculating PUMS Standard Errors – Ohio

Characteristics	a	b
POPULATION		
Average Household Size	0.014395	-0.000931
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	488.646908	-32.767883
Mean Travel Time to Work (In Minutes)	1.929390	-0.124405
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	13,838,953.426000	-900,761.758900
Mean Household Income (Social Security)	766,654.355180	-54,406.297360
Mean Household Income (Retirement)	5,410,423.749700	-392,445.316500
Mean Household Income (Supplemental Security)	1,634,947.420500	-133,865.024100
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	1,094,843.735100	-83,981.548000
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	20,035,315.197000	-1,338,417.994000
Median Person Earnings	5,813,746.538000	-363,212.487800
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	3.965245	-0.181032
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	1,483.371188	-104.927919
Median Gross Rent as a Percentage of Household Income	13.376568	-0.947405
Median Value	29,976,333.871000	-1,993,307.248000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.672456	-0.110731

Table 4.37. a & b parameters for Calculating PUMS Standard Errors – Oklahoma

Characteristics	a	b
POPULATION		
Average Household Size	0.012932	-0.000902
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	495.981401	-35.813163
Mean Travel Time to Work (In Minutes)	1.839828	-0.127525
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	11,694,319.768000	-812,754.501000
Mean Household Income (Social Security)	710,432.095480	-54,363.879830
Mean Household Income (Retirement)	4,924,029.761800	-393,298.296200
Mean Household Income (Supplemental Security)	1,601,714.192500	-143,789.814500
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	408,314.610570	-33,411.926740
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	18,528,804.392000	-1,324,581.997000
Median Person Earnings	3,869,585.005600	-258,965.697300
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.013226	-0.000226
Median Year Built	2.766171	-0.120193
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	1,228.402646	-93.856490
Median Gross Rent as a Percentage of Household Income	14.230661	-1.085233
Median Value	19,141,741.630000	-1,370,841.151000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.515583	-0.109020

Table 4.38. a & b parameters for Calculating PUMS Standard Errors – Oregon

Characteristics	a	b
POPULATION		
Average Household Size	0.019393	-0.001358
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	755.679279	-54.652161
Mean Travel Time to Work (In Minutes)	3.162475	-0.220223
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	16,084,029.381000	-1,114,747.820000
Mean Household Income (Social Security)	1,117,059.121200	-86,191.546580
Mean Household Income (Retirement)	12,479,988.752000	-997,064.486500
Mean Household Income (Supplemental Security)	2,094,152.747700	-190,481.429600
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	927,462.139520	-57,575.214280
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	27,279,710.800000	-1,941,255.358000
Median Person Earnings	9,025,463.177200	-604,030.501700
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	2.101371	-0.059086
Median Year Householder Moved into Unit	1.253869	-0.017916
Median Gross/Contract Rent	1,908.400445	-144.568285
Median Gross Rent as a Percentage of Household Income	18.617367	-1.407393
Median Value	104,282,635.940000	-7,466,979.466000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.688899	-0.193903

Table 4.39. a & b parameters for Calculating PUMS Standard Errors – Pennsylvania

Characteristics	a	b
POPULATION		
Average Household Size	0.014653	-0.000943
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	407.099861	-27.206639
Mean Travel Time to Work (In Minutes)	2.368832	-0.152224
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	16,869,038.069000	-1,092,003.118000
Mean Household Income (Social Security)	698,570.286190	-48,918.958040
Mean Household Income (Retirement)	4,593,982.095400	-331,288.313300
Mean Household Income (Supplemental Security)	1,954,949.189400	-158,270.417600
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	1,045,916.947700	-80,316.845350
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	24,188,988.831000	-1,609,454.189000
Median Person Earnings	5,795,930.466200	-360,184.399600
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	3.965245	-0.181032
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	1,272.607951	-73.225656
Median Gross Rent as a Percentage of Household Income	11.574408	-0.820365
Median Value	13,613,613.556000	-758,618.733100
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.843891	-0.121600

Table 4.40. a & b parameters for Calculating PUMS Standard Errors – Rhode Island

Characteristics	a	b
POPULATION		
Average Household Size	0.027573	-0.002122
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	940.688229	-73.195662
Mean Travel Time to Work (In Minutes)	4.707916	-0.352814
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	38,974,180.361000	-2,957,264.967000
Mean Household Income (Social Security)	953,351.562370	-78,891.457760
Mean Household Income (Retirement)	11,595,193.806000	-1,007,292.175000
Mean Household Income (Supplemental Security)	1,777,120.211400	-170,968.771900
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	2,393,963.043800	-223,233.254900
Median Family Income	37,208,339.489000	-2,052,664.691000
Median Nonfamily Income	29,463,889.003000	-1,691,155.212000
Mean Family & Nonfamily Income	55,109,312.868000	-4,308,978.245000
Median Person Earnings	12,715,775.579000	-928,236.076600
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.028467	-0.001419
Median Year Built	11.326330	-0.793593
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	2,575.655619	-207.703890
Median Gross Rent as a Percentage of Household Income	9.287921	-0.759283
Median Value	180,780,493.580000	-14,116,975.440000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.316370	-0.072080

Table 4.41. a & b parameters for Calculating PUMS Standard Errors – South Carolina

Characteristics	a	b
POPULATION		
Average Household Size	0.016376	-0.001133
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	625.203928	-44.676352
Mean Travel Time to Work (In Minutes)	2.616319	-0.179802
Median Household Income	29,580,167.509000	-2,057,746.479000
Mean Household Income (Total or Earnings)	15,818,481.582000	-1,096,767.701000
Mean Household Income (Social Security)	812,885.601220	-61,655.422370
Mean Household Income (Retirement)	7,666,948.088400	-599,778.104500
Mean Household Income (Supplemental Security)	2,019,812.864400	-179,582.181700
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	20,623.638708	-1,243.874268
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	24,860,919.935000	-1,771,548.058000
Median Person Earnings	5,289,138.598500	-350,974.718800
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	3.707496	-0.187086
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	1,346.137935	-101.688255
Median Gross Rent as a Percentage of Household Income	23.905568	-1.829317
Median Value	54,023,538.338000	-3,818,469.173000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.126240	-0.150709

Table 4.42. a & b parameters for Calculating PUMS Standard Errors – South Dakota

Characteristics	a	b
POPULATION		
Average Household Size	0.018702	-0.001464
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	1,186.157126	-95.548562
Mean Travel Time to Work (In Minutes)	3.063165	-0.233580
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	10,639,495.851000	-573,953.119500
Mean Household Income (Social Security)	1,245,223.670500	-107,156.040300
Mean Household Income (Retirement)	7,547,817.080800	-683,121.163100
Mean Household Income (Supplemental Security)	2,232,853.049900	-218,848.147800
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	2,990,996.084900	-282,336.842100
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	74,474,514.552000	-5,977,439.889000
Median Person Earnings	3,117,956.866600	-230,830.730300
Per Capita Income	8,968,093.145100	-655,338.449800
HOUSING		
Median Number of Rooms	0.019189	-0.000493
Median Year Built	5.612800	-0.361511
Median Year Householder Moved into Unit	1.246475	-0.019491
Median Gross/Contract Rent	2,274.541144	-193.600210
Median Gross Rent as a Percentage of Household Income	11.050928	-0.937078
Median Value	53,918,477.786000	-4,278,492.097000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	3.123364	-0.250745

Table 4.43. a & b parameters for Calculating PUMS Standard Errors – Tennessee

Characteristics	a	b
POPULATION		
Average Household Size	0.018037	-0.001214
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	720.499919	-50.255914
Mean Travel Time to Work (In Minutes)	2.777424	-0.187003
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	17,491,842.097000	-1,183,577.543000
Mean Household Income (Social Security)	990,176.077130	-73,418.455660
Mean Household Income (Retirement)	6,608,476.084000	-506,261.038500
Mean Household Income (Supplemental Security)	1,531,834.722500	-130,922.833300
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	103,569.316080	-6,567.650901
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	29,952,449.581000	-2,204,189.957000
Mean Family & Nonfamily Income	15,812,409.634000	-871,892.277700
Median Person Earnings	5,328,619.669400	-345,977.657400
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	4.811382	-0.257782
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	1,445.748587	-107.161325
Median Gross Rent as a Percentage of Household Income	15.960672	-1.184996
Median Value	44,428,314.548000	-3,072,526.820000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.145392	-0.148565

Table 4.44. a & b parameters for Calculating PUMS Standard Errors – Texas

Characteristics	a	b
POPULATION		
Average Household Size	0.019218	-0.001172
Median Age	4.005778	-0.205124
Median Age by Sex	5.093323	-0.270294
Birth Rate (per 1,000 women)	521.384430	-32.468305
Mean Travel Time to Work (In Minutes)	2.776589	-0.172039
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	10,639,495.851000	-573,953.119500
Mean Household Income (Social Security)	881,786.515520	-59,268.500300
Mean Household Income (Retirement)	8,027,990.913700	-554,048.590200
Mean Household Income (Supplemental Security)	1,701,398.045400	-135,030.103400
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	103,569.316080	-6,567.650901
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	15,812,409.634000	-871,892.277700
Median Person Earnings	3,800,209.374700	-197,634.151100
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	2.101371	-0.059086
Median Year Householder Moved into Unit	1.377687	-0.023766
Median Gross/Contract Rent	1,961.266580	-132.407242
Median Gross Rent as a Percentage of Household Income	13.643732	-0.920544
Median Value	13,613,613.556000	-758,618.733100
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.316370	-0.072080

Table 4.45. a & b parameters for Calculating PUMS Standard Errors – Utah

Characteristics	a	b
POPULATION		
Average Household Size	0.030693	-0.002239
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	906.678221	-66.848881
Mean Travel Time to Work (In Minutes)	2.525150	-0.179867
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	17,883,943.177000	-1,292,850.717000
Mean Household Income (Social Security)	1,446,484.759200	-118,701.645600
Mean Household Income (Retirement)	13,612,514.886000	-1,145,215.710000
Mean Household Income (Supplemental Security)	4,141,071.033600	-411,873.797400
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	927,462.139520	-57,575.214280
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	23,947,211.787000	-1,770,292.194000
Median Person Earnings	6,374,513.574800	-439,095.119400
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.064548	-0.003987
Median Year Built	2.101371	-0.059086
Median Year Householder Moved into Unit	1.408807	-0.030099
Median Gross/Contract Rent	3,527.934367	-283.549318
Median Gross Rent as a Percentage of Household Income	12.373960	-0.991708
Median Value	55,602,430.733000	-4,141,078.795000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.195647	-0.163611

Table 4.46. a & b parameters for Calculating PUMS Standard Errors – Vermont

Characteristics	a	b
POPULATION		
Average Household Size	0.013386	-0.001065
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	402.921371	-32.371376
Mean Travel Time to Work (In Minutes)	2.673882	-0.200953
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	26,644,510.978000	-2,059,167.602000
Mean Household Income (Social Security)	1,431,484.305600	-125,268.735200
Mean Household Income (Retirement)	12,802,916.929000	-1,168,600.322000
Mean Household Income (Supplemental Security)	1,961,514.010500	-202,982.521500
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	2,139,264.180200	-198,564.943400
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	43,746,612.180000	-3,529,042.401000
Median Person Earnings	5,268,013.884500	-394,662.890700
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.015487	-0.000434
Median Year Built	8.009427	-0.554731
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	2,279.102033	-197.635530
Median Gross Rent as a Percentage of Household Income	0.918582	-0.051989
Median Value	123,780,529.290000	-9,958,817.892000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.558187	-0.204888

Table 4.47. a & b parameters for Calculating PUMS Standard Errors – Virginia

Characteristics	a	b
POPULATION		
Average Household Size	0.013273	-0.000881
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	479.651769	-32.908323
Mean Travel Time to Work (In Minutes)	2.321717	-0.153043
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	10,639,495.851000	-573,953.119500
Mean Household Income (Social Security)	947,023.515840	-69,759.985300
Mean Household Income (Retirement)	4,499,781.966600	-268,230.241200
Mean Household Income (Supplemental Security)	2,137,460.477300	-185,686.474800
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	103,569.316080	-6,567.650901
Median Family Income	792,626.350940	-43,430.461980
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	25,783,953.848000	-1,759,416.308000
Median Person Earnings	6,071,214.039900	-389,014.541800
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014744	-0.000255
Median Year Built	2.395188	-0.093194
Median Year Householder Moved into Unit	1.200169	-0.013455
Median Gross/Contract Rent	2,365.390916	-171.802674
Median Gross Rent as a Percentage of Household Income	9.677038	-0.705655
Median Value	57,563,087.130000	-3,173,994.575000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.721155	-0.117029

Table 4.48. a & b parameters for Calculating PUMS Standard Errors – Washington

Characteristics	a	b
POPULATION		
Average Household Size	0.017203	-0.001163
Median Age	4.005778	-0.205124
Median Age by Sex	5.093323	-0.270294
Birth Rate (per 1,000 women)	571.456531	-39.751444
Mean Travel Time to Work (In Minutes)	2.640769	-0.176766
Median Household Income	20,602,073.502000	-1,111,857.574000
Mean Household Income (Total or Earnings)	18,532,997.252000	-1,244,072.290000
Mean Household Income (Social Security)	1,057,402.597200	-79,262.194310
Mean Household Income (Retirement)	7,611,387.910700	-580,452.524700
Mean Household Income (Supplemental Security)	2,261,451.161200	-195,530.453600
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	1,123,376.074100	-90,238.837900
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	15,812,409.634000	-871,892.277700
Median Person Earnings	3,800,209.374700	-197,634.151100
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.025143	-0.000925
Median Year Built	2.552747	-0.083624
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	1,272.607951	-73.225656
Median Gross Rent as a Percentage of Household Income	12.558480	-0.916162
Median Value	57,563,087.130000	-3,173,994.575000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.200427	-0.152736

Table 4.49. a & b parameters for Calculating PUMS Standard Errors – West Virginia

Characteristics	a	b
POPULATION		
Average Household Size	0.016307	-0.001195
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	457.303459	-34.669083
Mean Travel Time to Work (In Minutes)	5.334564	-0.389496
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	14,022,121.935000	-1,014,454.381000
Mean Household Income (Social Security)	712,393.764110	-55,881.783100
Mean Household Income (Retirement)	5,733,528.992400	-465,692.086600
Mean Household Income (Supplemental Security)	927,392.042740	-82,965.625030
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	2,844,402.949000	-244,948.469500
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	17,740,341.042000	-1,316,556.969000
Median Person Earnings	5,992,214.841100	-416,545.374600
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.017471	-0.000546
Median Year Built	7.302529	-0.460752
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	1,642.392386	-134.314199
Median Gross Rent as a Percentage of Household Income	17.865105	-1.475348
Median Value	26,401,456.414000	-1,968,350.390000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.943410	-0.143238

Table 4.50. a & b parameters for Calculating PUMS Standard Errors – Wisconsin

Characteristics	a	b
POPULATION		
Average Household Size	0.008386	-0.000567
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	294.925351	-20.609845
Mean Travel Time to Work (In Minutes)	1.092265	-0.073234
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	8,969,779.753600	-609,075.836700
Mean Household Income (Social Security)	506,304.702200	-37,699.882380
Mean Household Income (Retirement)	6,395,239.722100	-493,735.353800
Mean Household Income (Supplemental Security)	2,327,809.946000	-206,550.315500
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	927,462.139520	-57,575.214280
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,853,699.681500	-106,294.015300
Mean Family & Nonfamily Income	14,978,523.203000	-1,047,755.124000
Median Person Earnings	3,207,633.115900	-209,544.912000
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.014417	-0.000300
Median Year Built	4.556486	-0.241425
Median Year Householder Moved into Unit	1.359675	-0.024614
Median Gross/Contract Rent	989.294651	-73.036200
Median Gross Rent as a Percentage of Household Income	6.698453	-0.497214
Median Value	24,077,022.281000	-1,668,443.575000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.054493	-0.073012

Table 4.51. a & b parameters for Calculating PUMS Standard Errors – Wyoming

Characteristics	a	b
POPULATION		
Average Household Size	0.026835	-0.002159
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	1,001.800844	-82.308420
Mean Travel Time to Work (In Minutes)	6.584995	-0.513390
Median Household Income	57,897,952.869000	-4,664,714.587000
Mean Household Income (Total or Earnings)	13,270,875.496000	-942,578.080700
Mean Household Income (Social Security)	1,305,640.068500	-115,069.756200
Mean Household Income (Retirement)	12,724,145.135000	-1,132,238.205000
Mean Household Income (Supplemental Security)	8,938,969.603400	-1,015,763.013000
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	1,696,441.789700	-123,992.225900
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	29,463,889.003000	-1,691,155.212000
Mean Family & Nonfamily Income	30,712,046.893000	-2,491,544.692000
Median Person Earnings	5,304,100.316300	-390,822.646000
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.000515	0.001050
Median Year Built	3.266585	-0.183226
Median Year Householder Moved into Unit	1.692323	-0.056607
Median Gross/Contract Rent	5,276.452118	-481.069475
Median Gross Rent as a Percentage of Household Income	18.952251	-1.701637
Median Value	115,723,955.040000	-9,443,654.318000
Median Selected Monthly Owner Costs	542.494527	-30.095994
Median Selected Monthly Owner Costs as a Percentage of Household Income	2.023615	-0.162055

Table 4.52. a & b parameters for Calculating PUMS Standard Errors – Puerto Rico

Characteristics	a	b
POPULATION		
Average Household Size	0.031024	-0.002197
Median Age	0.082470	-0.003720
Median Age by Sex	0.089839	-0.004245
Birth Rate (per 1,000 women)	550.945991	-39.545805
Mean Travel Time to Work (In Minutes)	8.001968	-0.569844
Median Household Income	1,986,679.113900	-107,041.610400
Mean Household Income (Total or Earnings)	8,768,533.773100	-620,013.557500
Mean Household Income (Social Security)	399,900.105350	-30,185.367100
Mean Household Income (Retirement)	4,258,055.756600	-344,042.808000
Mean Household Income (Supplemental Security)	15,833.408812	-1,012.155047
Mean Household Income or Benefits (Public Assistance or Food Stamp Benefits)	103,569.316080	-6,567.650901
Median Family Income	2,857,873.480200	-156,897.240800
Median Nonfamily Income	1,087,180.216300	-62,148.065060
Mean Family & Nonfamily Income	3,624,501.980000	-199,042.528100
Median Person Earnings	2,106,613.581400	-140,312.137900
Per Capita Income	82,911.589122	-4,209.892301
HOUSING		
Median Number of Rooms	0.018502	-0.000600
Median Year Built	2.736432	-0.122451
Median Year Householder Moved into Unit	1.311932	-0.016838
Median Gross/Contract Rent	2,426.153093	-195.167847
Median Gross Rent as a Percentage of Household Income	13.438756	-0.871434
Median Value	22,284,219.459000	-1,609,880.047000
Median Selected Monthly Owner Costs	9.674259	-0.478609
Median Selected Monthly Owner Costs as a Percentage of Household Income	1.316370	-0.072080